

\$3.75



Founded in 1947

QCWA JOURNAL

PUBLISHED QUARTERLY

VOLUME XLIV

Summer - 1995

NUMBER 2



Quarter Century Wireless Association
159 E. 16th. Ave.
Eugene, OR 97401-4017

Address Correction Requested

NON PROFIT ORG.
U.S. POSTAGE
PAID
CORTEZ, CO
PERMIT NO. 27

YAESU HF



FT-1000 / FT-1000D Call
FT-990 / FT-990DC Call
FT-890AT / FT-840 Call
New! FT-900 HF mobile Call

KENWOOD HF



TS-950SDX Call
TS-850S / TS-850SAT Call
TS-450S / TS-450SAT Call
TS-50S / TS-60S Call

ICOM HF / V-UHF BASE



IC-781 / IC-765 / IC-738 Call
IC-736 / IC-735 / IC-728 Call
IC-970H / IC-820H Call
IC-275H / IC-475H / IC-575H Call

AEA

PK-900 / PK-232MBX \$469/299
PK-96/14K \$195

ALINCO

DJ-180T / DJ-580T Call
DJ-FIT / DJ-S1T Call
DR-130T / DR-150T Call
DR-1200T / DR-1200TH Call

ASTRON

RS-12A (12A peak) \$79
RS-20A (20A peak) \$95
RS-20M (20A, w/ meters) \$119
RS-35A (35A peak) \$149
RS-35M (35A, w/ meters) \$169

KANTRONICS

KAM+ / KPC-3 \$299/115
KPC-9612 (32k/128k) \$199/229

MFJ

564 chrome paddle \$49
948 / 949E tuners \$119/139
986 / 989C tuners \$259/299
1270C / 1276 TNCs \$109/139
1278B / 1278BT \$259/319
259 / 249 analyzers \$199/179
1786 loop antenna \$259
1796 vertical antenna \$165

STANDARD

C108A / C158A Call
C178A / C228A Call
C528A / C558A Call
C5718DA Call
CCR708A Call

YAESU VHF / UHF



FT-5200 / FT-5100 Call
FT-2500 / FT-2200 Call
FT-736 2m/70cm all mode Call
FT-530 / FT-51R / FT-11R Call
More Yaesu items in stock, call!

KENWOOD VHF / UHF



TM-742A / TM-733A Call
TM-241A / TM-251 Call
TH-79 / TH-28 / TH-22AT Call

ICOM VHF / UHF



IC-2340H / IC-2700H Call
IC-281H / IC-481H Call
IC-2GXAT / IC-T21A Call
IC-W21AT / IC-V21AT / IC-X21AT Call

BUTTERNUT

HF-2V 80/40m vertical \$199
HF-5B 5 band beam \$329
HF-6VX 6 band vertical \$219
HF-9VX 9 band vertical \$269
CPK counterpoise kit \$54

CUSHCRAFT

13B2 / 17B2 / 26B2 Call
A3S / A743 add on Call
A4S / A744 add on Call
A3WS / A103 add on Call
R5 halfwave vertical Call
R7 halfwave vertical Call
A148-3 / A148-10 Call
124WB / A270-10S Call
AR2 / ARX2B Call
AR20 / AR270B Call
ARX270N / ARX270U Call
Please call for more Cushcraft items.

M2

2M7 / 2M12 Call
2MCP14 / 2M5WL Call
2MCP22 / 2M18XXX Call
432-13WLA / 432-9WL Call
440-18 / 436CP30 Call
Please call for other M2 products.

TIMEWAVE



DSP-59+ DSP filter \$289
DSP-9+ DSP filter \$209
DSP-9 DSP filter \$165

US TOWERS

- The best heavy duty galvanized steel design available.
- All tower models are totally self-supporting—no guys!
- Shipped factory direct to reduce shipping cost to you.
- Please call for shipping quotes. In CA, add 6% state tax.

MODEL	MIN.	MAX.	WINDLOAD	PRICE
MA-40	22'6"	40 ft.	10 sq. ft.	\$679
MA-550	22'1"	55 ft.	10 sq. ft.	\$1069
MA-770	23'10"	71 ft.	10 sq. ft.	\$2249
MA-850	24'6"	85 ft.	10 sq. ft.	\$3489
TX-438	22'6"	38 ft.	18 sq. ft.	\$999
TX-455	23'0"	55 ft.	18 sq. ft.	\$1489
TX-472	23'8"	72 ft.	18 sq. ft.	\$2449
TX-489	24'4"	89 ft.	18 sq. ft.	\$4269
HDX-538	22'6"	38 ft.	30 sq. ft.	\$1279
HDX-555	22'0"	55 ft.	30 sq. ft.	\$2239
HDX-572	23'8"	72 ft.	30 sq. ft.	\$3859
HDX-589MDPL	24'8"	89 ft.	30 sq. ft.	\$7689

COAX & CABLE

ANDREW HELIAX ©
LDF4-50A 1/2" \$2.49/ft.
LDF5-50A 7/8" \$5.99/ft.
connectors: 1/2" \$32 7/8" \$78

COAX

CQ4XLI (9913 equiv.) \$52/ft.
CQ4XL Flexi \$59/ft.
RG-213/U (8267 equiv.) \$37/ft.
RG8X (mini RG-8/U) \$19/ft.

ROTOR CABLE

5 conductor (5-#20) \$22/ft.
8 conductor (2-#18, 6-#22) \$25/ft.
8 conductor (2-#16, 6-#18) \$39/ft.

HYGAIN

TH-11DXS 5 band beam \$839
TH-7DXS triband beam \$639
TH3MK4 triband beam \$329

ALUMINUM

6063-T832 DRAWN-TUBING
O.D. WALL I.D. COST
.375" .058" .259" \$.45/ft.
.500" .049" .402" \$.60/ft.
.625" .058" .509" \$.65/ft.
.750" .058" .634" \$.75/ft.
.875" .058" .759" \$.90/ft.
1.000" .058" .884" \$1.00/ft.
1.125" .058" 1.009" \$1.15/ft.
1.250" .058" 1.134" \$1.30/ft.
1.375" .058" 1.259" \$1.45/ft.
1.500" .058" 1.384" \$1.70/ft.
1.625" .058" 1.509" \$1.95/ft.
1.750" .058" 1.634" \$2.10/ft.
1.875" .058" 1.759" \$2.25/ft.
2.000" .058" 1.884" \$2.45/ft.
2.125" .058" 2.009" \$2.85/ft.
In 6' and 12' lengths; 6' via UPS,
12' via truck or air freight collect.

6061-T6 EXTRUDED-TUBING
.188" solid — \$.20/ft.
1.125" .058" 1.009" \$.90/ft.
1.250" .058" 1.134" \$1.00/ft.
2.000" .120" 1.760" \$2.95/ft.
2.000" .250" 1.500" \$5.50/ft.
2.500" .120" 2.260" \$3.75/ft.
3.000" .065" 2.870" \$2.40/ft.
3.000" .120" 2.760" \$4.50/ft.
4.000" x .375" bar stock \$5.25/ft.
In 6', 12' & 24' lengths; 6' via UPS,
12' & 24' via truck freight collect.

ROHN

25G/45G/55G \$68/159/206
FK2548/58/68' \$1399/1499/1549
FK4544/54/64' \$1859/2039/2169
HBX40 40' tower (10sq.) \$339
HBX48 48' tower (10sq.) \$459
HBX56 56' tower (10sq.) \$589
HDBX40 40' tower (18 sq.) \$429
HDBX48 48' tower (18 sq.) \$569

ROTATORS

Telex HAM IV (15 sq.) \$369
Telex Tailtwister (20 sq.) \$425
Yaesu G450XL (10 sq.) \$239
Yaesu G500 (elevation) \$279
Yaesu G800S (21 sq.) \$339
Yaesu G800SDX \$429
Yaesu G1000SDX (23 sq.) \$489
Yaesu G2800SDX (34 sq.) \$1129
Yaesu G5400B (az. / el.) \$519

GUY HARDWARE

500' 3/16 EHS guywire \$75
500' 1/4 EHS guywire \$95
3/16 preformed big grips \$3.50
1/4 preformed big grips \$4.75
500D insulators \$3.50
502 insulators \$6.00
Turnbuckles:
3/8EE / 3/8EJ \$10 / 11
1/2x9EE / 1/2x9EJ \$13 / 14
1/2x12EE / 1/2x12EJ \$16 / 17

PHILLYSTRAN

NONCONDUCTING GUY CABLE
HPTG1200I (1200#) \$39/ft.
HPTG2100I (2100#) \$49/ft.
HPTG4000I (4000#) \$69/ft.
HPTG6700I (6700#) \$95/ft.
PLP2738 (2100 big grip) \$4.95
PLP2739 (4000 big grip) \$6.95
PLP2755 (6700 big grip) \$9.95

CARBON STEEL MASTS

WALL	5'	10'	15'	20'
.12	\$35	\$65	\$95	\$120
.18	\$59	\$110	\$160	\$199
.25	—	\$149	—	\$289

Don't be fooled by claims of aluminum masts as strong as steel! Our 2 inch O.D. galvanized steel masts have a typical yield strength of 87,000 psi.

WE SELL FOR LESS!

We have great, low prices on everything you need, EVERY DAY!

TOLL FREE ORDERS!

Ordering is easy! Just grab your phone and call us at:

(800) 272-3467

FAST SHIPPING!

You'll get it fast! Most items are shipped the same day.

WE'VE GOT EVERYTHING!

In Addition to the Manufacturers represented in this ad, we also carry a full line of amateur products from:

Alpha-Delta, Ameritron, Amphenol, Anli, ARRL, B&W, Bencher, Callbook, Comet, Create, Daiwa, Diamond, Emoto, Heil, Hustler, KLM, Larsen, Maldol, Martin, Mirage, Nye Viking, Outbacker, Palomar, Pro-Am, rf concepts, TE Systems, Universal Tower, Van Gorden, Vibroplex, and more.

If you don't see it listed, please be sure to call us.

IF YOU DON'T SEE IT... ASK!

Or send for our free catalog of over 2,600 amateur items!

TEXAS TOWERS



Prices and specifications were current at press time, but are subject to change without notice or obligation. Please call to verify current prices before ordering.

TEXAS TOWERS (800) 272-3467

TECH: (214) 422-7306 FAX: (214) 881-0776

MON-FRI: 9 AM-5 PM, SAT: 9 AM-1 PM. M/C & VISA GLADLY ACCEPTED

A Division of Texas RF Distributors, Inc. • 1108 Summit Avenue, Suite 4 • Plano, TX 75074



Summer - 1995

QCWA JOURNAL

Volume XLIV, Number 2

Editor

Barry Wiseman, N6CSW

Contributing Editors

FCC Highlights

Jack Kelleher, W4ZC

Silver Bells

Esther Given, W6BDE

CQ DX

Chip Margelli, K7JA

Amateur Radio Satellite News

Keith Pugh, W5IU

Business Office

159 E. 16th Ave., Eugene, OR 97401-4017

503-683-0987, FAX/BBS 503-683-4181

Editorial and Advertising Office

P.O. Box 57, Hesperus, CO 81326-9998

970-382-0665, FAX 970-247-4935

1995 National Convention Events

Friday

10:00 AM QCWA Forum

1:00 PM Lew McCoy, Antennas

3:00 PM Cushcraft/Signals

Saturday

11:00 AM Chuck Walbridge, K1IGD, Packet

1:00 PM Jerry Seveck, W2FMJ, "Baluns and Un-Uns"

2:00 PM ARRL Forum, Dave Sumner, K1ZZ

3:00 PM Dick Baldwin, W1RU, (IARU)

4:00 PM QCWW Chapter Meeting

Gladys Chase, W1VPF

From the Editor:

Putting this Journal together has been a major undertaking. I haven't worked this hard or suffered such anxiety since I put the first issue of *Electric Radio* out back in 1989.

I've made a lot of changes. I'm sure that some of you will like what I've done while others might prefer the Journal the way it was. I hope there are more of the former than the latter. Please let me know how you feel.

Next issue I'll have more to say. Until then 73, N6CSW

TABLE OF CONTENTS

- 2 QCWA Officers and Board of Directors
- 3 President's Message *Lew McCoy, W1ICP*
- 4 General Managers Report *Jim Walsh, W7LVN*
- 5 Board of Directors Spring Meeting *John Swafford, W4HU, Secretary*
- 6 Memorial Scholarship Program Revisited *Leland Smith, W5KL, President Emeritus*
- 7 Silver Belles *Esther Given, W6BDE*
- 8 CQ DX *Chip Margelli, K7JA*
- 9 FCC Highlights *Jack Kelleher, W4ZC*
- 11 Amateur Radio Satellite News *Keith Pugh, W5IU*
- 14 Chapter Reports
- 28 Silent Keys
- 29 Members in the News
- 30 1995 Convention Advance Registration Form
- 31 Schedule of Events For National Convention
- 32 Chapters on the Air
- 33 Membership Application
- 34 New Members
- 38 HBR-16 Receiver *Gerry Higgins, W9INP*
- 40 1995 QCWA QSO Phone Party Logs *Don Bice, W4PCO & Bob Kleiber, KR8G*
- 41 1995 QCWA QSO CW Party Logs *Art Monsees, W4BK & Bill Bell, K4AVH*
- 43 Member Supplies
- 44 What Makes Vintage Ham Radio Buffs Tick? *Rob Brownstein, NS6V*
- 46 Ham Radio in Europe After V-J Day *Owen Lehr, W5VYB*
- 48 Sam's Surplus, A Way Station to Homebrewers' Fulfillment *Don Meadows, N6DM*
- 49 Captain George H. Klaus, W2CJN, SK *Jay Altman, W2DX*
- 50 RV'ing and Amateur Radio *Steve Weber, W6QON*
- 51 Schedule of Revenues and Expenses *Wes Randles, W4COW, Treasurer*
- 53 Book Review, McElroy-World's Fastest Telegrapher *Dr. Curtis G. Chezem, W7NK*
- 56 Member Classifieds

Cover: Jim Walsh, W7LVN, QCWA General Manager, and Jan Hayter, Officer Manager in front of QCWA Headquarters, Eugene, Oregon.

QCWA Officers and Board of Directors

President

Lew McCoy, W1ICP, 1500 Idaho St., Silver City, NM 88061. 505-388-4862, Fax - 505-538-8676

Vice President

John Kelleher, W4ZC, 612 Ednor Rd., Silver Spring, MD 20905. 301-924-1605, Fax - 301-924-0420

Secretary

John Swafford, W4HU, 2025 N. Kensington St., Arlington, VA 22205. 703-536-9537

Treasurer

Wes Randles, W4COW, HCR-32, Box 591, Stoddard, NH 03464. 603-446-3492 (May 1- October 1), 6002 N. Fremont, Tampa, FL 33604- 813-870-0867 (October 1-May1)

General Manager

Jim Walsh, W7LVN, 159 E. 16th Ave., Eugene, OR 97401-4017. 503-683-0987, Fax/BBS 503-683-4181

President Emeritus

Leland Smith, W5KL, 10 Hawthorn Dr., Harrison, AR 72601. 501-741-0473

Directors

Milton Chaffee, W1EFW, 28 Reussner Rd., Southington, CT 06489. 203-628-2750

John Huntoon, W1RW, P.O. Box 18404, East Hartford, CT 06118. 203-568-4758

Gladys V. Chase, W1VPF, 75 Chestnut Circle, West Suffield, CT 06093. 203-668-0845

Walter Brink, W1WPY, 919 Cloverfields, Stevensville, MD 21666. Phone/Fax 410-643-2933

Edward W. Yoder, W3YMB, 4632 SE 5th Pl., Cape Coral, FL 33904. Phone/Fax 813-540-7725, (winter), 5028 Northlawn Dr., Murrysville, PA 15668-9423, Phone/Fax 412-327-7646 (summer)

Amelia E. "Milly" Wise, W5OVH, 8516 Mount Scott Dr., El Paso, TX 79904-2915. 915-751-4160

John G. Troster, W6ISQ, 82 Belbrook Way, Atherton, CA 94025. 415-854-3939

John Edel, K8LBZ, 7350 Mudbrook NW, Massillon, OH 44646. 216-832-5932

Gary R. Harrison, WAØRWS, P.O. Box 467, Bolivar, MO 65613-0467. 417-777-7777

Croft B. Taylor, VE3CT, 5505 Ashton Lake Dr., Sarasota, FL 34231-6256. 813-924-4540 (winter), 3 Weatherly Dr., Kanata, ON, Canada K2W 1A3, 613-839-3336 (summer)

THOSE WHO HAVE SERVED

Past Presidents

John DiBlasi, W2FX (SK)	1947 - 1964
Earl R. Thomas, W2MM (SK)	1965 - 1968
Clarence Seid, W2KW	1969 - 1971
Barry Goldwater, K7UGA	1972 - 1973
Frank A. Gunther, W2ALS	1974 - 1977
Harry S. Gartsman, W6ATC	1978 - 1981
Stuart Meyer, W2GHK (SK)	1982 - 1985
Leland Smith, W5KL	1986 - 1989
Harry Dannals, W2HD	1989 - 1994

Executive Secretary/General Manager

Ralph Barber, W2ZM (SK)	1955 - 1964
Gus Girona, W2JE (SK)	1965 - 1973
Ethel Smith, K4LMB	1974 - 1976

QCWA JOURNAL is published four times a year (quarterly) by the Quarter Century Wireless Association, Inc. Membership in QCWA, including a subscription to the Journal, is available to individuals who qualify in the United States and its possessions at the following rates: \$15 for one year; \$25 for two years; \$35 for three years; and \$300 for life. For foreign membership rates, please contact the business office.

The Quarter Century Wireless Association and QCWA JOURNAL in no way warrant the products described or reviewed herein.

The JOURNAL does not assume responsibility for unsolicited manuscripts.

Subscription to the JOURNAL for nonmembers in the US is available for \$15 per year. Contact the business office for subscription information. The JOURNAL is available free to blind and physically handicapped paid-up members on audio cassette tape. For more information, contact Blanche Randles, W4GXZ, (May 1-October 1) HCR-32 Box 591, Stoddard, NH 03464, 603-446-3492; (October 1-May 1), 6002 N. Fremont, Tampa, FL 33604, 813-870-0867.

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a noncommercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare. QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986. Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership. In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed. Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 503-683-0987. Fax/BBS, 503-683-4181.

Postmaster: Please send change of address to: QCWA, Inc., 159 E. 16th Ave., Eugene, OR 97401-4017. Printed in USA and mailed Third Class from Cortez, CO, Eugene, OR and other cities.

President's Message

Lew McCoy, WIICP

As you have probably noticed, with this issue, we have a new editor, Barry Wiseman, N6CSW. He is the publisher of a monthly magazine called *Electric Radio*, a publication devoted to vintage radio and collecting antique gear.

Because of problems beyond our control, we slipped five weeks in getting out the spring issue. Because of the switch-over, this issue is slightly late but we will be back on schedule with the next issue. Incidentally, our schedule for the Journal being in the mail to you is March 1st, June 1st, September 1st and December 1st. We hope you like this new Journal. Let us know what you want to see in these pages and we will certainly try to oblige.

The spring board meeting went off very well. Your board accomplished many items. We voted unanimously to oppose the W5YI Group FCC petition to eliminate all amateur broadcast station operations, which would mean the elimination of W1AW operation. I believe it is very safe to say that every one of the QCWA membership has used W1AW bulletins or code practice and it would be a serious error to eliminate the service of it and other bulletin stations. Be sure to read our filing elsewhere in these pages.

We had a meeting in Eugene, Oregon of the Finance and Administration Committee the day before the regular board meeting. The new accounting system being handled in Eugene by the General Manager is now on line and working very well.

We are making several changes in our Journal as you can see. Costs of paper and postage have gone crazy--the price of paper has nearly doubled in the last 8 months. However, we are holding the line on membership costs. The changes in the Journal are all in the line of improvements. We hope to have much more of your stories in amateur radio appear in the Journal. Don't forget, this is your Journal. Our plans - if you have had an interesting experience in your past with amateur radio

- tell us about it. If you are afraid to do so because you feel you don't write well enough, we will edit it and get your approval.

We had a marvelous time at Dayton this year. Unfortunately, because of my commitments to CQ and autographing my new antenna book, I didn't get to spend much time in the QCWA booth. However, Jim Walsh held forth and he, with the help of directors John Edel and Gary Harrison, did an outstanding job. We had nearly 300 members sign in at the booth. Jim and I went to the QCWA banquet, which was very well attended.

For those of you that have asked, I am feeling fairly good after my bypass heart surgery -- my pacemaker was put to the test when I ran the legal limit to a wire dipole, which runs directly over my station. At least if the pacemaker missed, I didn't pass out -- hi! The only problem I still have is in my sternum. They stitched it together with wire so I have a coil of wire through and around my sternum - and it doesn't hold solid. (Also, I cannot determine the resonance of the coil of wire - I can't seem to couple to it with my grid dipper!?) Apparently, I am one of the few people alive with a built in antenna! But (I am not about to describe said antenna in my new antenna book!) I guess I deserve that.

Last but by no means least -- try to make our national convention this fall in Manchester, New Hampshire -- it promises to be the best ever. And I'm sure the weather and the fall colors will be very enjoyable. WIICP



Do you readers want to start an old timer's Rogue's Gallery of early QSLs? Here is one of Lew McCoy's cards as an example.

This is what Lew says about it, "This is mine from 1947 --gosh those were wonderful days. The station receiver at W9FHZ was an HRO with a preselector in front of it. The rack and panel contained a pair of 810's that were modulated by 805's. The exciter was a 6L6 tri-tet oscillator driving an 807. (Little did I know at that time that I would soon be working for George Grammer at ARRL who was the inventor of the tri-tet circuit.) My antenna at that time was a beam for ten meters and a dipole for 80 through whatever band I wanted. My old antenna tuner is on top of the rack and panel. Oh - by the way - the rack and panel used plug-in coils. And did it ever cause TVI!" Have a neat old card? Please send it in. Ed.



Lewis "Mac" McCoy, 3748 W. 119th Street, Blue Island, Ill.

W9FHZ

UR SIG WERE

Q R . . .

ON BAND

PHONE CW . .

PLEASE QSL OM
I DID

General Manager's Report

Jim Walsh, W7LVN

Greetings to all of you from Headquarters. Here we are with a new format and a new editor of the *QCWA Journal*. Several items have surfaced in the last few months and I wish to share them with you.

A letter from one of our members recounts his happiness at working 100 QCWA members and how he tries to get QSL cards from them. His happiness turns to sorrow when he sees a 33% return of QSL cards. He states that he, too, is on a reduced income, but he tries to QSL everyone that needs a card and cannot help but wonder what is happening to our other members. I think that is a good question. However, I do have an answer for him. If my memory serves me right I think all he has to do is provide a copy of his log sheet with 100 members listed with appropriate times, etc, and he can qualify without the QSL cards.

A letter from our Activities Manager Jay Strom, K9BSL, and he asks for some more volunteers to handle the net control on the Sunday QCWA net at 14.347 at 2000Z. There are a number of good signals out there and I am sure they are 'hearing' as well as anyone else, so volunteer to Jay and help out with the Sunday net. If you haven't made use of this Sunday activity, try it .. you will like it even with the terrible propagation conditions. Relax and enjoy it for conditions can only get better.

Remember we are in the midst of finding candidates for the next election. Write to Fred Dickson, W7LBH, the chairman of the nominating committee, if you are interested or know someone who could serve. Also if you do not get the information to the committee you can always submit a petition, with 25 signatures, before December 31, 1995 to nominate a potential candidate.

Our election process is now on an every two years schedule to help reduce expenses.

One other action that we have worked on the past year commands telling. Our data base was about 6000 names short

when we took over the file several years ago. While most of those missing were delinquent or SKs, they still should be in the data base for our record keeping. During this last year Jan has really delved into the card files and we have a method to do some checking of the names. As a result, we are now within 39 numbers of agreeing with the membership numbers being issued. Considering there are over 27,000 records in the file, that is pretty good.

One other item to consider. For all the Chapter Secretaries .. I do enjoy your newsletters and frequently they furnish us with information that helps in maintaining our records, but don't forget that you should prepare a special release for anything that you wish published in the *Journal* under the Chapter heading.

Also, include good, sharp pictures for reproduction purposes.

The last item for this month .. I now have an Internet address and here it is - jwalsh@efn.org. By the time you read this we should have a Home page for QCWA established on the Internet.

Already I am receiving inquiries on the Internet for membership information. As time goes on I am finding a great number of our membership enjoying the Internet so it was only natural for us to develop a Home Page for QCWA. This will be available wherever Internet is accessible. We will have some colored pictures on the page as well as application information and history and details of some events in QCWA activities. Details of the QSO parties, certificates that can be awarded and a whole host of other details will make for a

very interesting QCWA. We will even provide for a tour of the whole board complete with pictures and biographies. To top all of this off there will be an electronic application which when it is completed will be e-mailed direct to headquarters. We have also included a small tour of headquarters for those that are interested. And we have included some welcome words on the scholarship program from Leland Smith, W5KL.

As of this writing we have made application for the Home Page usage with our local provider which is the Eugene Free Network. This will bring Quarter Century Wireless Association, Inc. into the forefront of electronic technology. It is incredible how quickly information can be transferred across the country or between countries.

Hopefully our Home Page will appear on the Internet by July 1, 1995. W7LVN



Inside QCWA Headquarters. In the foreground in Jan's end of the office and in the distance is my end. Just thought it might be nice for the members to see our office.

QCWA Board of Directors Spring Meeting, April 7-8

John Swafford, W4HU, Secretary

The meeting was called to order by President Lew McCoy, W1ICP at 8:30 AM on April 7th, 1995 at the Hilton Hotel in Eugene, Oregon. Those in attendance were: Vice President, Jack Kelleher, W4ZC; Treasurer, Wes Randles, W4COW; Secretary, John Swafford, W4HU. Directors: Milt Chaffee, W1EFW; Gladys Chase, W1VPF; John Huntoon, W1RW; Croft Taylor, VE3CT; Walt Brink, W3WPY; Ed Yoeder, W3YMB; Milly Wise, W5OVH; John Troster, W6ISQ; John Edel, K8LBZ and Gary Harrison, WAØRWS. Also in attendance were: President Emeritus Leland Smith, W5KL and General Manager Jim Walsh, W7LVN.

Many items were discussed; of major importance was replacement of the Journal Editor. Our new editor is Barry Wiseman, N6CSW, who presently publishes *Electric Radio*, a magazine devoted primarily to those who appreciate vintage gear.

Reports from the officers were received. President McCoy expressed our concern over the future of amateur radio vis-a-vis the recent actions by the FCC in its sale of blocks of frequencies to private parties. Also, it was called to the Board's attention the recent petition by W5YI to amend the rules to delete the operation of all bulletin stations. Such action would of course eliminate the operation of WIAW. It was voted unanimously to file comments with the FCC opposing this action. Details are given elsewhere in this Journal concerning our filing.

A meeting of the Finance/Administration committee had taken place the day before the official board meeting. An agreement was reached that certain investments of QCWA were not

producing a return consistent with present rates. Briefly, these investments will be sold and the funds invested at a higher return. Also, there has been an ongoing concern as to the scholarship rates of return. It was unanimously passed that the scholarship rate will be the average return of all our investments.

There were extensive reports from the various committees. Contingency plans for Headquarters location, chapter information, and many other items were discussed.

Chairman Ed Yoder proposed the following changes to the bylaws which were unanimously approved:

1. Article III, Section 7, change the word "receiver" to "receive" in the second sentence.
2. Article VI, Section 6, change date from "July 15" to "July 31" at the end of this section.
3. Article VIII, Section 2, delete text and replace with the following: "Expenditures on line items in the annual budget will require the prior approval of the president and vice president."

The General Manager gave a detailed report on the working of QCWA HQ. The new accounting system is now instituted and working. Also, our data base is essentially up-to-date due to the extensive research by Jim Walsh and Jan. We are within 30 members of having the data base complete since the inception of QCWA.

A detailed report of these minutes (8 close-spaced pages) is available to any member. Please send your request to QCWA Headquarters and \$1 to cover cost of shipping and printing. W4HU



QCWA Officers and Board of Directors at Eugene, Oregon, April 1995

Left to right: Wes Randles, Milt Chaffee, Jack Kelleher, John Huntoon, John Swafford, Walt Brink, Milly Wise, Leland Smith, Gladys Chase, Lew McCoy, Croft Taylor, John Edel, Jack Troster, Gary Harrison and Ed Yoder. Photo by W7LVN

QCWA Memorial Scholarship Program Revisited

by Leland Smith, W5KL, President Emeritus, 10 Hawthorne Dr., Harrison, AR 72601

One of the most important ongoing activities within QCWA is the financial support given selected Radio Amateurs each year through the QCWA Memorial Scholarship program. QCWA Scholarships are available to any licensed Amateur Radio operator who is enrolled in, or has been accepted for enrollment in, an accredited university or college, for a full-time schedule in pursuit of at least an Associate Degree. Those seeking postgraduate degrees are also eligible. There is no restriction as to the field of study, the area of residence or class of license. The Foundation for Amateur Radio in the Washington, DC area administers the actual awarding of our grants on an impartial basis without charge to QCWA.

Radio Amateurs wishing to apply for QCWA Scholarship Grants should request applications directly from the FAR Scholarship Committee, 6903 Rhode Island Ave., College Park, MD 20704 in February, March and April of each year. Each applicant must however, be recommended by a QCWA member.

A trust fund for the purpose of making QCWA cash scholarship grants was originally proposed by Cresson Donbar, K4YL, in June of 1977. The QCWA Board of Directors established the fund the following month but did not appropriate any money for the purpose. Soon thereafter, QCWA Board member Leo Meyerson, WØGFQ, was appointed to oversee the fund and this he did until he retired from the Board several years later. With announcement of the program, contributions started to come in. The first QCWA Scholarship Grant was authorized in 1979 in the amount of \$750. As contributions increased, more earnings became available for scholarships. To date 96 cash grants have been awarded and this year 14 additional grants, each in the amount of \$700, will be awarded to successful applicants. There are no administrative costs charged to either the fund or the interest. Only the yearly interest earned is used to finance the cash scholarships. Because of this, the QCWA Me-

morial Scholarship Fund is a perpetual program.

Thanks to the continuing generous support of the QCWA Board of Directors, QCWA Chapters and individual members, principal balance in the fund is now in excess of \$125,000. A number of QCWA Chapters make contributions each year to the fund, often in memory of Silent Keys. Individual QCWA members frequently contribute to the fund in memory of family or friends who have become Silent Keys. Because of our Internal Revenue Service Section 501 (c) (3) exemption, contributions to the Memorial Scholarship Fund are tax deductible for Federal income tax purposes.

What can each of us do to show appreciation for the many years of enjoyment our hobby has brought us, as well as show our support for QCWA and its purposes? For one thing each of us should consider making a contribution to the fund in memory of a family member or someone who has made an impression on us as a Radio Amateur who has become a Silent Key. Those of you who are QCWA Chapter members are encouraged to ensure that chapter members who become Silent Keys are memorialized with a chapter contribution to the fund. Some of you may wish to have a permanent repetitive scholarship grant awarded in your name, this can be done by making a substantial contribution to the fund or remembering QCWA in your will. All contributions should be made payable to the QCWA Memorial Scholarship Fund and sent directly to QCWA Headquarters in Eugene, OR. Every contribution to the fund is acknowledge in writing and when requested family members are informed that a contribution has been made in memory of the deceased.

Any QCWA officer, Director, the QCWA General Manager or I as Chairman of the QCWA Memorial Scholarship Fund Committee will be glad to answer your questions or respond to your comments on the program. [W5KL](#)

Donations to the Scholarship Fund

DONOR	HONORING
Chapter 63	Don King
WØPIV	WBØWWD
QCWA Board	
W5OVH	K5UYH
Chapter 49	W5EJ
Chapter 14	K6UV
W8ACE	WØIB
KL7AVX	W2HF
WØHF	W5EJ
Chapter 120	WBØWWD
Chapter 120	
W7LBH	W6CYL
Chapter 122	
Chapter 64	
W6MFP	
Muriel I. Oehring	W1GEN
Mr. & Mrs. D. Finger	W1GEN
Chapter 186	
Chapter 53	N4BOO, AA4AN, W4PFJ, W4OKI, W3SOB, K4IEK, W8AQ, W8BCB, W8MEI.
Chapter 21	
W2CVF	
Chapter 134	
Chapter 138	
Chapter 67	KB5WN
Chapter 142	W8QZK W8UXU
W4HU	
N3NN	WØKPK
Chapter 165	
Mr. & Mrs. Roy M. Carrol,	
Mr. & Mrs. Gordan N. Ginter,	
W3YQJ & XYL,	
W3SST & XYL,	
K3SRP & XYL	W3AQN
W3WPY	
WAØRWS	

DONOR

W6MFP

W9IH

N2XJ

Chapter 55

Chapter 178

WØUQJ & XYL

Chapter 32

Chapter 148

Chapter 54

Chapter 150

Chapter 112

Chapter 173

Chapter 64

WA4ECG

W5KL & WA5WAR

Chapter 87

Chapter 76

Chapter 38

Chapter 126

Chapter 12

Chapter 67

Chapter 53

Chapter 53

Chapter 155

QCWA Board

Chapter 128

WØLPF & XYL

Chapter 25

W6ISQ

Chapter 69

Chapter 90

W6ISQ

Chapter 60

Chapter 149

Chapter 107

Chapter 79

HONORING

K6UV &

Other

Chapter 14

SKs

K9AA

WØUFD

WA2YQU

W1GEN

W5GOO

W1FRZ,

W1HAD,

W1AKG,

W1TMO.

K5GFU

W4GF,

W6IL.

K7QKG

K4FTB,

W3ESU.

K5TYV,

W5LZR.

K4ILF

N4OG

W5DCS

W4LCG

W4LTR,

KA1QY,

W4TAH.

W2BNX,

WA4UPL.

WØUFD

WØGFQ

W7HGW

Silver Belles

by Esther Given, W6BDE

117 La Granada

Moss Beach, CA 94038

Quarter Century Wireless Women (QCWW) was organized in 1979 as a result of the untiring efforts of Ethel Smith, K4LMB, Blanche Randles, W4GXZ and Onie Woodward, W1ZEN. By the end of its second year QCWW Chapter 120, boasted over one hundred Silver Belles on its roster. Unlike most QCWA chapters QCWW has no geographical boundaries and welcomes anyone first licensed as an amateur radio operator 25 or more years ago anywhere in the world. Since QCWW is a chapter of QCWA its affiliates must also be QCWA members in good standing. QCWW is a prestigious group. Its members have passed their 25th anniversary of amateur radio participation, a hobby in which the YL members have been a powerful minority and proved themselves. Many YL's have the advantage of being queens of the rig in the daytime. Over the years they have devoted thousands of hours in public welfare activities. Whether handling civil emergencies, home contacts for military personnel or swapping news and recipes on a net, YLs have proven themselves highly competent.

Although the majority of its members are YLs, QCWW is not restricted to belles, it also includes beaux. When QCWW was organized desegregation had become a big "must". The armed forces were training and assigning men and women together for active duty in the military services. Boy Scouts and Little League ball teams were required to include girls and there were even little boys in Campfire Girl circles. So, to conform with government requirements and exist as a non-profit entity, QCWW organizers set up a nondiscriminatory organization.

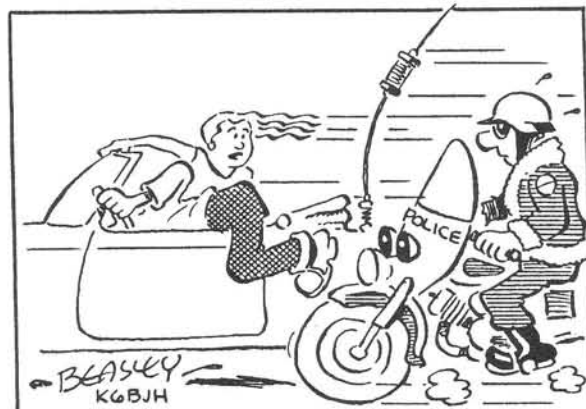
QCWW has lots to offer its members besides membership in an elite group. A weekly 20 meter net is held each Tuesday at 2 PM Eastern time on 14.295. Net control is Maxine, K4KUU. Its official publication, *Silver Sparks*, comes out quarterly, and QCWW awards a certificate to

anyone working 20 of its members with endorsements for each additional twenty. Because of its world-wide membership QCWW's annual meeting (which is required by QCWA) is held in conjunction with QCWA's National convention each year and is well attended.

Many QCWA members belong to and support more than one QCWA chapter. If you would like to be a Belle or a Beaux, contact QCWW's secretary-treasurer, Rose Porter, KC4OTI, 3309 Rosewood Ln., Lakeland, FL 33809. Annual dues are \$5 and cover the calendar year.

In previous Silver Belle columns Carol King, K5CPZ, has introduced QCWA Journal readers to several YL members of QCWA. Carol did an excellent job and is to be highly praised for her diligent research, accurate reporting and excellent articles.

If this column is to continue there must be input from our YLs. There are many who should be introduced to the Journal's readership. All QCWA YLs are urged to suggest a subject, submit a biography of a YL friend or an autobiography. Be sure to include pictures. It will be a pleasure to make new contacts and feature future Silver Belles. DON'T BE SHY - NO INPUT- NO OUTPUT. **W6BDE**



IT'S ALL RIGHT, OFFICER--- HIS MICROPHONE PLUG CAME OUT AND HE'S PLUGGING IT BACK IN

CQ DX

By Chip Margelli, K7JA/8P9EX, 6652 Cerulean Ave., Garden Grove, CA 92645

Congratulations, Martti!

Either you haven't been on the air lately, or you've been treated to some exciting DX-related developments over the past few months!

Martti Laine, VR2BH/OH2BH has been stirring up the DX world of late with DX-peditions and diplomatic breakthroughs alike. On May 13, Martti briefly activated P5/OH2AM on 20 and 40 meters, putting the Democratic Peoples Republic of Korea (a.k.a. North Korea) on for the first time ever permitted by the telecommunications authorities. Let's hope that, as in Albania, Martti is able to help facilitate a long-term presence of Amateur Radio in that long-isolated country. Expanded people-to-people communications are almost always a good thing!

Martti can't sit still it seems. In April, he and a multinational group activated Huang Yan Dao (Scarborough Reef) as BS7H, and then followed up his early-May Korean escapade with an appearance from Dongsha-Dao (Pratas Island) as BV9P at the end of May. That's a lot of politicking (Scarborough Reef is owned by the People's Republic of China, and Pratas Island is occupied by the Taiwanese) and a lot of logging in a short space of time.

Martti has, for decades, sought to support the DXCC program and the well-being of the planet by putting new and exotic countries on the air, and by establishing Amateur Radio in places where it never existed before. I've been privileged to accompany Martti on several of his ventures, and I feel the DX world owes him an unmeasurable debt of gratitude for this effort and investment, in personal financial resources and time alike, so that we can all enjoy a good pile-up. Martti is the consummate "True Believer" who knows the joys of DXing, and who wants to share this joy with people around the world. Kiitos, Martti!

I Love Summer DX!

Summertime was always my favorite time for DX while growing up in the Pacific Northwest. Whether it was the increased operating time afforded by school vacations, the newness of working DX, or some other mysterious force at work on my psyche, summertime DX always seemed special. What do you remember?

Memoirs of a Summer Contest

I was in junior high school, probably in the seventh grade. My father had helped me put up a two-element quad for twenty the day before. . . it was strung between two large alder trees at our beach cabin west of Tacoma, Washington. I had also strung a 40-meter dipole between one of the alder trees and a chestnut tree, and it was now 3:00 in the morning . . . the start of the All-Asian DX Contest!

I opened the tailgate of our Buick station wagon, shooed the mosquitoes away as I set up my DX-40 and HQ-110 in the cool darkness, and started calling the throng calling "CQ AA" on 40.

The JAs wouldn't come back!

"Hmmm. . . the 40 is only ten feet off the ground," I thought to myself. "Maybe it ought to be higher." So I climbed up the alder tree to a height of about 25 feet and pulled the wire up as best I could. Scrambling down I called my first JA. Back

came the response: "K7VPF 55928 BK." "Humm. . . only 559?" So I scrambled up the chestnut tree to where the branches were weaving like an 80 meter beer-can vertical on Field Day. Again I pulled up the wire, slid down the tree, and called another JA. "K7VPF 56924 BK." Better. . . but still not good.

Back up the alder tree, pulling real hard this time. Boinnggg!

Aaarrggghhh! The wire broke! Out came the soldering iron, and I only burned my hands twice trying to solder in the dark while swatting mosquitoes with the soldering iron. Back up the alder tree, another (more successful) pull, and "K7VPF 57939 BK."

"Still not right. What's going on??" I wondered as I looked at the antenna. "Humm, why's the coax so tight?" Tugging on the RG-58, which was as taught as a garter snake in Minnesota in January, I dislodged it from its jam under one of the tires of the car. Eureka! Another 15 feet of height!!!

"K7VPF 59933 BK. . . K7VPF 59967 BK. . . K7VPF 59918 BK."

Remember anything like this? Share it with someone. . . help a kid put up a quad this summer.73 for now. [K7JA/8P9EX](#)



QCWA Certificates Awarded By Activities Manager

The Activities Manager of QCWA is responsible for the issuances of five certificates. They are for the CW and Phone QSO Parties. There is a First Place and four other Awards given for both the CW and the Phone Parties. The Worked 500 QCWA Members Award is given after submitting proof of performance to the Activities Manager.

Thus far our records show that only 14 QCWA members have been awarded this certificate. However, the Worked 100 QCWA members has fared much better, with 338 certificates being awarded. 136 QCWA members have been awarded the Worked 60 QCWA Chapters. Last of the Awards that the Activities Manager manages is the Worked All States QCWA Members. This award seems to be the most difficult, as it has only been won by 7 members.

I urge each QCWA member who is contest minded to make the attempt to garner one of these beautiful certificates before 1995 passes away. The proof of performance can be QSL Cards, your log sheets, or copies thereof. In the latter case they would not be returned to the applicant. So what say! let's work some other QCWA members and send the proofs to K9BSL, good in any call book since 1981.

J. Frederick Strom, K9BSL

FCC Highlights

By Jack Kelleher, W4ZC, 612 Ednor Rd., Silver Spring, MD 20905

W5YI Petition to Eliminate One-Way Transmissions at HF (RM-8626)

At its spring meeting the QCWA Board voted unanimously to oppose W5YI's petition and comments to that effect that were filed with the FCC on May 3rd. The text of the QCWA comments follows.

"The Quarter Century Wireless Association (QCWA), composed of more than 10,000 members, each with a minimum of 25 years licensed experience, arguably represents the most experienced group of licensed radio amateurs. At a recent meeting of its Board of Directors, the QCWA voted unanimously to oppose the petition of W5YI. This petition, RM-8626, proposes FCC Rules changes, which, if implemented, would eliminate one-way transmission of code practice and information bulletins below 30 MHz.

"W5YI states that the basis for his petition is the alleged ongoing abuse of current Rules governing one-way transmissions in the amateur service, the interference they generate, and the alleged lack of need for this type of operations below 30 MHz. In our opinion, these allegations constitute an unwarranted condemnation of all bulletin and code practice activities below 30 MHz. The effect of such action, if taken, is aptly described using a currently popular phrase "throwing the baby out with the bath water".

Abuses of the Current System

We admit that certain amateur stations abuse the existing Rules, primarily because they fail to listen on a frequency to determine whether it is clear before transmitting, thereby generating interference to any station which may then be using that frequency. With the growing number of radio amateurs, the medium and high frequency amateur bands are becoming more crowded. Therefore, preemptive operation by any station, whether engaged in one-way or two-way transmission, can be and is a problem. Eliminating one-way transmissions below 30 MHz is certainly not the answer.

The requirement to determine that a frequency is not in use before transmitting is routinely abused by a great number of stations, by calling CQ without first inquiring if the frequency is in use, and by stations which "tune up" on a frequency, often for long periods, without first listening and without identification.

The Commission has recognized the need for the types of one-way transmissions which the petitioner proposes to eliminate, and has set forth, in Section 97.113(b) of the current Rules, certain criteria for such one-way transmissions, implying that they apply particularly to telegraphy practice and/or information bulletin transmissions. It is our experience that many self-styled information bulletin transmissions fail to meet these criteria.

The Need for Information Bulletins in the Amateur Service

Almost since the inception of amateur radio there has been a recognized need for stations that could promptly dispense timely information. The American Radio Relay League (ARRL), another nonprofit organization of and for radio amateurs, long ago established a Club Station, W1AW, which has a prearranged schedule to disseminate, on a daily basis, bulletins containing FCC releases, general interest bulletins on topics of interest to radio amateurs, and code practice. Any radio amateur can become informed on current happenings in amateur radio through these bulletins, and it has become in effect the "New York Times" of ham radio.

Today more than ever the service provided by W1AW has become a necessity rather than a convenience. For example, proposed Commission actions - of which the current Petition is a good example - may have a brief period of 30 to 45 days for receipt of comments. There is insufficient time for these notices to appear in print media such as *QST* or *CQ* prior to the deadline; and not all or even a majority of amateurs subscribe to quicker-reaction newsletters such as *W5YI's Report* or the *ARRL Letter*. Often an ARRL Bulletin is the only timely means of disseminating such information.

Time and again, over the years, W1AW has proved its value in time of national crisis or domestic emergency, when amateur radio provided the primary means of communication. W1AW provided the coordination and guidance necessary to conduct such operations in an orderly and efficient manner.

Every member, and we emphasize "every member", of QCWA has had occasion to use W1AW and hopes to continue to do so.

Summary

The subject petition is commendable in that it focuses attention on abuse of the privileges now allowed in the Rules for one-way transmissions. However, in view of the fact that the proposed Rules changes would also curtail activities and services such as those provided by W1AW, the Quarter Century Wireless Association recommends rejection of the Petition.

Vanity Call Sign System

More information on this subject is in FCC Public Notice No. 52540, March 3, 1995, which is essentially a plain lan-



continued next page

QCWA Journal - Summer 1995

FCC Highlights from previous page

guage elaboration on the information contained in the Report and Order issued on February 1st.

Among other things, it confirms that applicants for previously held calls are not bound by the class of license now held, e.g., a General class licensee may apply for a one-by-two call previously held by him or her or by a close relative and which is still available. The language for Gate 1 is as follows:

"Gate 1: Any class operator who is applying for:

A. The call sign that was previously shown in his or her primary station license, or

B. The call sign that was previously shown on the primary station license of a deceased spouse, child, grandchild, stepchild, parent, grandparent, stepparent, brother, sister, stepbrother, stepsister, aunt, uncle, niece, nephew, or in-law, or

C. The call sign that was previously shown on the club station license for which the applicant is currently the license trustee."

Applicants vs. Call areas:

During the period leading to the Report and Order, some (commenters) recommended against any policy that would permit a licensee to apply for a call sign from any call area block (other than that in which he now resides), or a call sign block dedicated to specific island and insular areas. In response the Commission said they decided not to impose that limitation because, among other things, the applicant's choice of vanity call signs would be reduced to ten percent or less of the call signs that would otherwise be assignable to the station. A limitation based upon the person's place of residence, moreover, could easily be circumvented by using a mailing address in another call sign region. (Note: This limitation, if retained, does NOT apply to Case 1 as detailed above.)

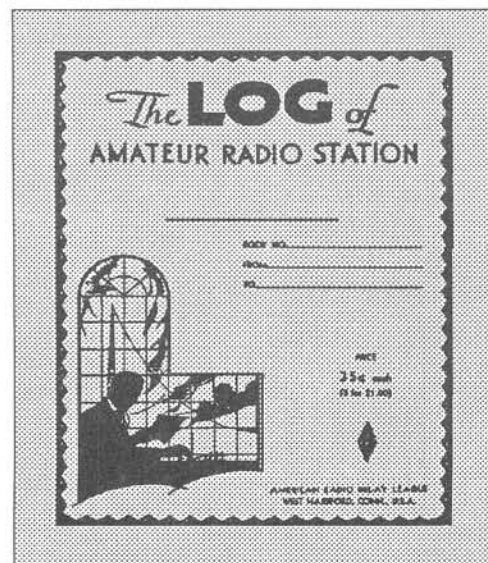
On March 3rd the ARRL filed a Petition for Reconsideration, requesting that the Commission revise this finding and require that the call sign requested by an applicant be from the call sign region of the then-current mailing address of the applicant. This and other petitions for reconsideration must be considered before the Rules changes become final. Listen to QCWA nets, ARRL bulletins, etc. for developments. W4ZC



-AND THIS IS PERKINS --- IT WAS HIS RESEARCH THAT CAUSED US TO CHANGE OUR DESIGNATION FROM "SHOCK-PROOF" TO "SHOCK RESISTANT"

ADD TO YOUR COLLECTION

A Beautiful Reproduction of a 1936 Logbook



Remember those days ?

Add this to your collection

Better Yet ..

Buy a copy for your station and enjoy its format

Now available from :

QCWA Inc.

159 E 16th Ave

Eugene, OR 97401

\$ 6.00 per copy

Our thanks to Tracy Reese, WB6TMY, who fell in love with this era of amateur radio and conceived and furnished the art work.

In cooperation with ARRL, the Quarter Century Wireless Assn., Inc, presents this special edition.

Amateur Radio Satellite News

by Keith Pugh, W5IU, Vice President, Operations, AMSAT-NA, 3525 Winifred Dr., Ft. Worth, TX 76133

Introduction

For many years, news about the Amateur Radio Satellite Program, tracking data, and general advice for operating on the satellites has been available through the AMSAT News Service (ANS). Originally, the weekly AMSAT HF nets were the backbone of this service. In recent years, digital communications via Packet Radio, telephone networks, and the Internet have become the primary distribution media for the news bulletins and the tracking data; however, the HF and local VHF nets still get the word out to newcomers and those not as well connected to the digital media. In addition, the nets still provide the best chance for interactive, real-time discussions of satellite operations, "Elmering." This column will be devoted to a short history of the AMSAT HF nets and the current Net Control Stations. Listen, and check in for the count, even if you don't have questions! We would like to know you are there, and you might learn something about Amateur Radio Satellites. Several of the Net Control Stations are QCWA members and all are "experienced" enough to be QCWA members.

The Nets

Over the years, AMSAT HF nets have operated on the 75, 20, 17, 15, and 10 meter bands. As propagation changes with the sunspot cycle, so do the nets. Currently, the 17 and 15 meter nets have been discontinued until the return of better propagation, but their Net Control Stations are still active in support of the remaining nets. The 10 meter net has not operated for several years due to variations in propagation and lack of a Net Control Station.

75 Meters - Sometimes frustrating in summer, but a delight in winter, this regional net provides the most consistent operation of all of the nets. To cover the whole country, this Tuesday evening net is broken into three nets all operating on 3840 kHz. The East Coast Net meets at 2100 Eastern time and is "chaired" by Ron Long, W8GUS, in Columbus, OH. At 2100 Central, net control is passed to Jim McKim, W0CY, in Salina, KS, for the Mid-America Net. Last, but not least, the West Coast Net starts at 2000 Pacific led by Jim Shepherd, K6OYY, in Santa Barbara, CA. Before the days of digital communications, the AMSAT News items usually originated on the East Coast and were passed from region to region live on this net.

20 Meters - Called the "International AMSAT Net", this net meets Sunday afternoons on 14.282 MHz. starting at 1800 UTC with the "pre-net warmup." At 1900 UTC the AMSAT News Service bulletins are read to the East and at 1930 a repeat is done to the West.

Directions are from the QTH of Keith Pugh, W5IU, in Fort Worth, TX, net control. The "pre-net warmup" is an informal session for questions, answers, requests for data, and general discussion of Amateur Radio Satellites. Wray Dudley, W8GQW, of Tubac, AZ, participates in the "pre-net warmup" and acts as backup NCS. As time permits, additional questions, etc., are taken at the end of each of the bulletin sessions. Depending upon propagation, international visitors frequently participate. Pat Gowen, G3IOR, regularly checks in and provides the "News from Across the Pond."

Currently, the AMSAT News Service bulletins, generated by Dave Cowdin, WD0HHU, are read first on this net and then are distributed throughout the world via the digital media.

17 Meters - Since the acquisition of the WARC bands, John Shew, N4QQ, has hosted the 17 meter net on 18.155 MHz. each Sunday evening at 2300 UTC. Until recently placed on hold for poor propagation, this net provided excellent coverage to the Midwest and Western portions of the US and the Caribbean. Other countries participated on occasion. This net will resume operation when the sunspot cycle improves.

15 Meters - Also known as the "International AMSAT Net," this net was held, until recently, on 21.280 MHz. every Sunday afternoon at 1900 UTC. Wray Dudley, W8GQW, of Tubac, AZ, has been net control for many years and also "simulcasts" this net on AO-13 whenever the "Bird" is in view at net time. Another victim of the current slump in the Sunspot cycle, this net will also resume operation when propagation improves. During prime propagation, international check-ins were frequent. Wray is regularly assisted in his NCS activities by Jack Butler, KB7UZ, of Great Falls, MT. Wray and Jack are instrumental in establishing the frequency and coordination for the 20 Meter Net and the 15 Meter Net each Sunday.

The People

Without the dedicated and knowledgeable net control volunteers, the AMSAT HF nets would not be possible. Two of the earliest net control stations, W0CY and W8GQW, are still "at it" after many years of service. Other early volunteers include Vern "Rip" Riportella, WA2LQQ, and Bill Tynan, W3XO. Both of these Amateurs have also served as AMSAT President. Rip can probably be called the "father of the AMSAT News Service" as it is known today. The following sketches should provide some insight into the history and dedication of AMSAT's current net control stations.

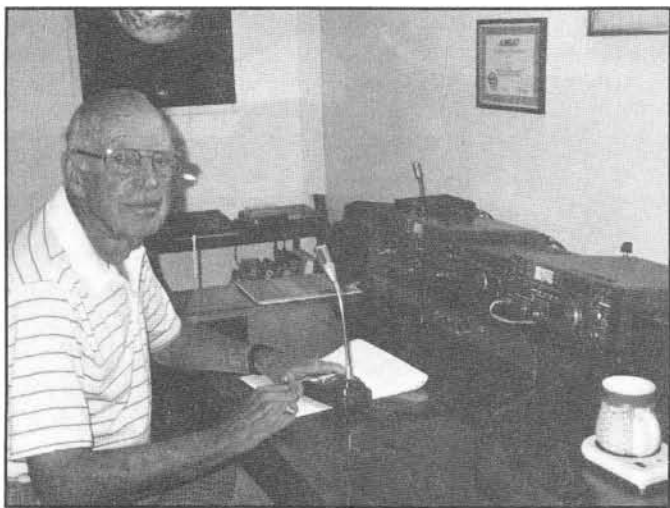


Jim McKim, W0CY

continued next page

Jim McKim, W0CY - Licensed since 1933, Jim has been involved in satellites since Sputnik was launched in 1957. He has been Net Control Station for the Mid-America 75 Meter net from Salina, KS, since it was first formed in the 1970s. Jim is a life member of QCWA and is known as "Mr. Ham Radio" all over Central Kansas. He has been in the heating and air conditioning business and has also been an Amateur Radio Equipment Dealer. His heating and air conditioning business designed and installed the systems in the Eisenhower Library and Museum complex in Abilene, KS. The Dec. 1986/Jan. 1987 issue of the Smithsonian Air & Space magazine featured Jim in an article titled "Homebuilt Satellites" written by Nancy Shute. Her article captures the essence of Amateur Radio Satellites and Jim McKim far better than this column can. Listen for Jim each Tuesday evening at 2100 Central time on 3840 kHz.

Wray Dudley, W8GQW - Second only to Jim for time in the Amateur Satellite Service, Wray brings many years of experience to the AMSAT Nets. While still working for Hobart Mfg. Co. in Dayton, OH, Wray lived in Troy, OH, and took on the job of AMSAT HF Net Manager. As such, he participated in all of the HF nets. His broadcast quality voice could be recognized anywhere. After retiring to a life of Golf and Amateur Radio Satellites in Tubac, AZ, Wray has remained active on the HF nets. His living conditions do not permit a large antenna farm, so he has restricted his activity to the 15 Meter Net and AO-13. He is a regular backup station on the 20 Meter Net. Before retirement, Wray was AMSAT's "Man in Dayton" and made all of the arrangements for the annual AMSAT operations at the Dayton Hamvention.



Wray Dudley, W8GQW

Ron Long, W8GUS - Every Tuesday evening, Ron starts the 75 Meter Regional Nets with the East Coast session. His big signal from Columbus, OH, can be heard all over the East Coast and generally does very well into North Texas also. Ron is a retired Professor of Electrical Engineering at Ohio State University and brings that knowledge and experience, along with over 40 years of Amateur Radio, to the HF Nets. He also puts the experience to good use as a long-time Assistant Editor for the AMSAT Journal. Ohio State Basketball and travel are other hobbies he enjoys. Ron joined QCWA when he became eligible, but soon let his membership lapse. Let's encourage him to come back into the fold when we check into his East Coast Net.



Ron Long, W8GUS

John Shew, N4QQ - Soon after the WARC bands became active, Doug Loughmiller, then President of AMSAT, and John Shew were discussing expansion of the AMSAT HF Nets. John thought 17 Meters had a definite place between the 20 and 15 Meter Nets but at a different time of day. He took the challenge and started the 17 Meter Net. It did a very good job of covering the Midwest and the Caribbean at 2300 UTC on Sunday evenings. John became a fixture on this net and continued it until propagation started failing last year. He will return. John is a avid DX and Island on the Air chaser along with satellite operations. While doing volunteer work at the AMSAT Office in Silver Spring, MD, several years ago, John met Martha, AMSAT's Office Manager, and they were married. They reside in Silver Spring, MD. John has enough "experience" to be a QCWA member but hasn't "taken the plunge."



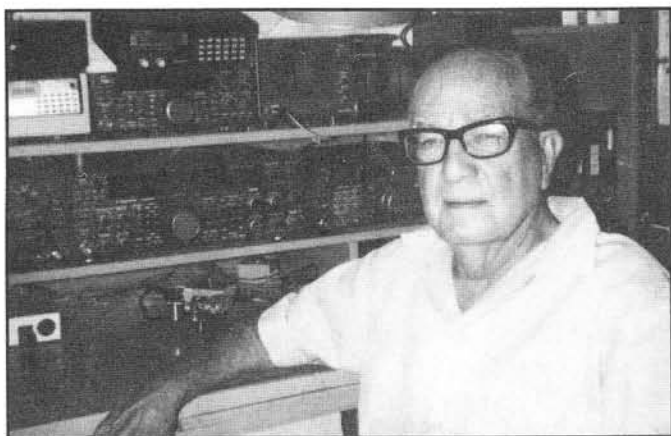
John Shew, N4QQ

Jim Shepherd, K6OYY - Jim is the "anchor man" on the 75 Meter Regional Nets with his West Coast Net. From Santa Barbara, CA, Jim puts the "finishing touches" on the Tuesday evening, 75 Meter Extravaganza. Jim took over the West Coast Net three years ago from Dave Medley, KI6QE, and Dave Guimont, WB6LLO, with a lot of help from Cliff Buttschardt, W6HDO. Cliff has just "swallowed the anchor" after a long "stint" as a radio man on an oil tanker and will become active again from Morro Bay, CA. The West Coast Net is done "California Style" with less formality than the other nets, if that is possible. Look for Jim and his gang every Tuesday evening at

2000 Pacific time. Years ago, the bulletins sometimes suffered in the translation through the Mid-America Net and on to the West Coast, but now the same bulletins are available to all via the digital media.

Bob Douglas, W5GEL - Although not a regular Net Control Station, no account would be complete without mentioning Bob, W5GEL. With his outstanding signal on all bands from Corpus Christi, TX, this QCWA Member has done "Yeoman Service" as a backup Net Control Station on all bands. Bob has been licensed since 1936 and operated Douglas Electronics in Corpus Christi, TX, until his retirement. The business is still in the family, and Bob spends as much time as he wants to in the office to this day. An avid DX'er, Bob has "worked them all" and continues to keep current.

Although his "first love" is CW, Bob keeps abreast of all of the latest technology and is very active on the Digital Satellites with a fully automated station. With his Southerly Latitude, Bob is in an ideal location to be a Shuttle Amateur Radio Experiment (SAREX) Telebridge Station. He has done this for several years and many SAREX missions. The SAREX duties have recently been passed to Bob Diersing, N5AHD, and his college radio club in nearby Kingsville, TX. Bob has always been ready to take over any net on any band and do his usual excellent job.



Bob Douglas, W5GEL



Keith Pugh, W5IU

Keith Pugh, W5IU - This column author has been a supporter of the AMSAT HF Nets since becoming involved with the Amateur Radio Satellites in 1982. Approximately two years ago I took over the 20 Meter Net from Dave Cowdin, WDØHHU, and can be heard most Sunday afternoons serving as Net Control from Fort Worth, TX, for the Pre-Net Warm-Up and the 20 Meter Net. First licensed in 1953, I am a life member of QCWA and look forward to many more years of service with AMSAT, your "Equal Opportunity Exploiter."

I also read the bulletins on the Mid-America 75 Meter Net most evenings under WØCY's able guidance.

Summary

The AMSAT HF Nets continue to be the "first line" for getting the AMSAT word out to the analog users of Amateur Radio Satellites and will continue as long as favorable comments continue to come in. Current operations have been cut back because of propagation, but this condition is only temporary. Support your AMSAT HF Nets by checking in and providing your questions, comments, and requests for data about this fascinating facet of Amateur Radio. W5IU

QCWA Chapter 63 and the Oklahoma City Bombing

by Jim Speck, KK5BX

3117 NW, 62nd St, Oklahoma City, OK 73112

Within an hour of the Oklahoma City Bombing on April 19, 1995, many hams had volunteered and were on the site of the explosion to aid in the rescue work any way they could. According to Salvation Army spokesman, Frank McCollum, N5FM, there were 295 radio amateurs who were involved, one way or another, in the Salvation Army's effort over a period of almost two weeks. There were another 70 hams who assisted the Red Cross, according to amateur coordinator, Mike Cox, K15DF.

These amateurs participated in handling emergency and priority traffic concerning support for the rescue workers at the site, as well as cooking and serving food and beverages, and transportation of clothing, food, medical and other supplies to the work site. Many worked twelve hour shifts, sometimes more during the first few days. Communications were primarily done on two-meter FM, using OCAPA and MORI repeaters, and simplex. The Salvation Army division headquarters station relayed traffic on 3900 kHz.

Of these volunteers, there were eleven current and former members of Chapter 63 QCWA, including Joe Lynch, N6CL; Carol King, K5CPZ; Bob Kremer, WA9FCT; Norm Wilson, W5FLO; Jay Liebmann, K5JL; Jim Jones, K5PER; Cecil Cash, W5PML; Ray Miller, W5REC; Chet Tausinger, WA7WFU; Sam Sitton, KV5X and Jim Speck, KK5BX.

One complicating factor in this emergency was the need for FBI photo ID's, because of its being a crime scene. The FBI issued over 10,000 badges in the first few days, then slowed the new badges to a trickle, probably fearing they would lose control of the area. There were police lines and check points at each corner in the twelve square block area. At each intersection one's badge would be inspected; some areas required additional permits. Having already received a badge became the prerequisite for working at the site. Requests were sent by Salvation Army area command by packet and the two-meter nets asking those who already had badges to call in and schedule if they were available for more work. Many employers in the Oklahoma City area gave hams and other relief workers time off with pay during the crisis. KK5BX

Chapter Reports

Chapter 1, Cleveland

Easter Saturday this year was a double holiday for our members. Some 48 QCWA members, their spouses, and friends met at Dimitri's for our luncheon-meeting.

After luncheon we were treated to a talk by bright, young, personable Dr. Gregory Louis of St. Vincent Charity Hospital and St. John West Shore Hospital of Cleveland. He came at the invitation of our Vice Chairman, Andy Doles, W8UDG. The doctor's subject was "Ophthalmology, Diseases of the Eye".

In plain everyday language, Dr. Louis described eye problems and the clinical procedures to alleviate the many common diseases of the human eye. Long after his talk, the doctor was bombarded with questions and remarks that were brought up from the floor by our members. It was a very educational, and at the same time, entertaining session.

At the end, Chairman Bernie Hinricksen, W2NTB, had door prizes distributed to the winning guests by his XYL, lovely, affectionate Helga. Willie Waite, W8GDQ, picked the winners out of his hat. Our thanks to members who contributed the door prizes including those of the Illuminating Company provided through its former Vice President, John Mistic, W8VRJ. Our thanks also to our Secretary, Jack Goldfarb, W8WGO, for coordinating all of the arrangements.

Every Wednesday night at 8 PM Cleveland time, Ch. No. 1 has its network. Net control is Steve Martinovich, W8NZD, or his alternate, Bill Knaus, WA8NPX. We encourage every ham within listening distance to call in. We especially encourage newly licensed hams and YLs to join our get-together party.

Add two new members to the QCWA list: Dana A. Henry, AI8W, #27302 and Richard L. Petscher, W8BNT, #27380. Congratulations OMs and welcome to the fold!

Sadly add Libbie Kadis, WA8BKD, to the list of Silent Keys. She died on January 28th. Libbie was the widow of Manny Kadis, W8AUM, who preceded her in death in 1993. May they both rest in peace.

Our condolences to the citizens of Oklahoma City on their bombing tragedy.

For 10 years now the Cleveland Chapter members have been sporting their badges at all QCWA functions. The badge was designed and manufactured by our treasurer, John Brant, W8WAB. Fine work, John!

Joseph Zelle, W8FAZ

Chapter 4

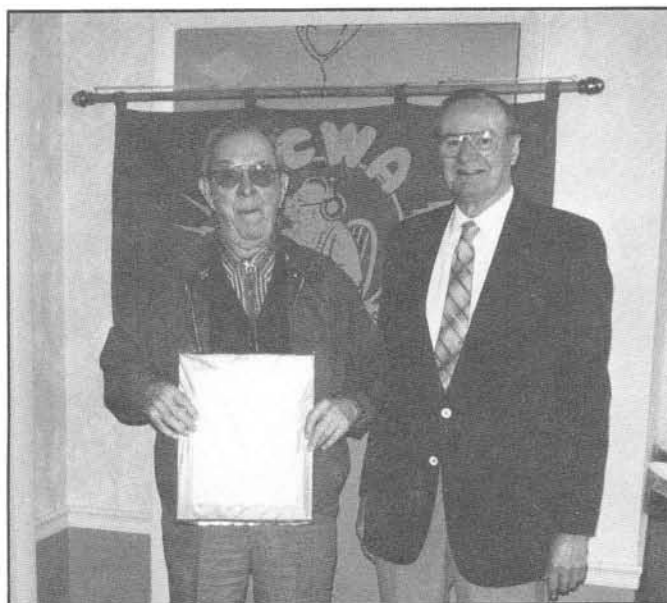
The Chapter 4 meeting was held in the Historic Lewis and Clark Hotel in Centralia, Washington. Gene Seiber, Deputy Sheriff of Lewis County, spoke on the Search and Rescue operations of his organization. He also described and demonstrated some of the Search and Rescue equipment, including the Global Positioning System, used by members of his group.

Our next meeting is scheduled for late October or early November. The exact date and place have not yet been established, but Chapter 4 members will be notified by mail. Visiting members are always welcome and can check with W7PN, W7IZO or K7FP for the date and place. An outstanding speaker has been scheduled for the Fall meeting and members should not miss it.

Frank Piskur, K7FP

Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal.

Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: August 1, November 1, February 1, and May 1.



Chapter 6 Chairman, Ed Gammeter, W8CSU, (right) presenting a 75 year award to Paul Hartman, W3KY. Photo courtesy of Bob Rockwell, W3SYT.

Chapter 6, Pittsburgh

The spring meeting of the QCWA Chapter 6, Pittsburgh, was held on April 2nd. Thirty members, XYLs, YLs and guests were in attendance. The business meeting was conducted by Chairman Ed Gammeter, W8CSU. After lunch, a video was presented by Seth, KC3YE. The film was about the infamous Dr. Brinkley, "The Goat Gland Doctor" of the early thirties who used a 500 KW broadcast station to advertise his product. The transmitter was located in Mexico and used the calls XER and XERA. It is estimated that with the directional antenna used, the ERP was nearly 5 megawatts beamed into the U.S.

The highlight of our meeting was the presentation of a 75 year certificate to Paul Hartman, W3KY. After much congratulation and hand shaking it was suggested that Paul write a book about his history in amateur radio. He said that he might do that for the next 75 year award. Program Chairman Bill Lawrence, W3NHQ, plans to present a bit of the history of the Weston Company's meters, a vital part of the ham shack.

The next meeting of Chapter 6 is scheduled for noon, June 11, at the Tonidale Restaurant. All are invited.

Nathan S. Firestone, W3SVJ

Chapter 14, San Diego

The San Diego QCWA Chapter 14 held its Spring Brunch on Sunday, April 30th. Our Treasurer, John Weiting, reported an attendance of 22, including two guests.

George Mitchell, our Program Chairman, arranged as our guest speaker Ms. Meridith R. Vezina, Editor and Publisher of a new local publication entitled, "*Traditions*" which reports on interesting bits of military history pertaining to the Army, Navy and Marine Corps in the San Diego area.

Ms. Vezina presented a program well illustrated with slides depicting military history in the San Diego area from the turn of this century. It brought back memories to some and surprised many of us about San Diego's rich military history. The program was an interesting one and the whole meeting a lot of fun with a sumptuous buffet and prize drawings to add to the merriment.

We are very thankful to Joe Saugier, K6CD, for his excellent service as Chapter Secretary. Our best wishes are with him as he attends to care-giving activities away from the area.

Congratulations to Dave Guimont, WB6LLO, as he continues to gain recognition in the area of Amateur Satellites with contributions published in *AMSAT Journal* and *QST*.

San Diego radio amateurs will sponsor an information booth at the Del Mar Fair this year and Chapter 14 members will man the booth one day during the fair.

Our next Chapter meeting will be in the fall but that does not mean that we are inactive during the summer. Our Two Meter Net meets year round every Wednesday at 8:00 PM on 145.520 MHz FM simplex.

We welcome all members and visitors to our meetings and the Two Meter Net.

Reuben Onstad, N6BAS, Secretary

Chapter 25, Nebraska

The Board Meeting of Chapter 25, QCWA, convened at 10:30 AM, May 6, 1995 at the Knolls Restaurant, Lincoln, NE with 8 Board Members present: WØHXL, KØIXY, WWØR, KØGND, WØAP, WØYDV, NGØM, WAØJRM.

Vice President, KØIXY was asked by the President to report on the Chapter 25 Memorial Fund. During the January 1995 On-The-Air Board Meeting it was decided to donate \$250 to the Leo Meyerson Scholarship Fund as a Memorial to the Chapter 25 Silent Keys. A motion was made, seconded and carried to do this. A letter was read by KØIXY from QCWA National Headquarters (W7LVN) thanking the Chapter for this donation.

Copies of the Chapter 25 Constitution and proposed revised By-Laws were given to all Board Members. Question raised by WØAP as to whether or not prospective members must be members of the National organization. This was discussed and found to be a part of the revised By-Laws. Further questions were raised, discussed on various other sections of the revised By-Laws. A motion was made, seconded and carried that the revised By-Laws be accepted as presented.

The cash flow problem was presented by Treasurer KØGND. The Chapter had a negative cash flow of \$298.85 last year. It was decided to emphasize to all Chapter 25 members of the necessity of paying their dues in a timely manner. President WØHXL volunteered to contact delinquent members and encourage them to pay their dues and renew their membership in Chapter 25.

Discussion was held concerning establishing an Official Chapter Relay Station. WAØJRM, WØUS, WØAP have been

designated by the Board of Directors as Official Chapter 25 Relay Stations. It is requested that Net Control Stations call for Official Relay Stations before the start of the net. The Official Relay Station will then checkin with the Net Control and will be the only Relay Station recognized by Net Control during the net. It is requested of the members checking into the net that they refrain from acting as relay stations as there will be a Relay Station standing by to take care of this duty.

It was reported by Secretary WWØR that Certificates of Membership were on hand for the following members: Maurice William Chase, WØEXZ, 60 yrs licensed; R.H. Brennehan, WØUQJ, 60 yrs licensed; Lyle B. Quinn, WØUS, 60 yrs licensed; Cy B. Wolfe, WØLJO, 55 yrs licensed; Eugene Seier, WØIOO, 55 yrs licensed; John F. McCarty (SK), WØJUJ, 55 yrs licensed; Carl R. Brockdorf, W8ZNG, 55 yrs licensed; Milton O. Krogstad, NØLAK, 50 yrs licensed.

A general meeting was held in conjunction with a luncheon immediately following the board meeting. There were 38 persons present at the general meeting.

The certificates mentioned in the minutes of the Board meeting were given out to the persons present.

Dale F. Reandean, WWØR, Secretary

Chapter 29, Finger Lakes

Since our last report, the attendance at the monthly luncheons has been declining. Chapter President, W2FUU, published the first local bulletin in many years during this period. Prior to the April meeting I mailed special invitations to those we have not been seen in a while who I felt would be able to attend. The responses to the local newsletter and to the invitations have been - to phase it charitably - underwhelming in the extreme. Now that I am back from Florida, I have already decided to send out no further local newsletters until we see some signs of interest from the membership. Interest in a chapter on-the-air net has been negligible as well.

By the time this reaches print, I will have attended the Rochester, NY Hamfest/NY State-Atlantic Division ARRL Convention. By agreement with Director Walt Brink W3WPY, I will have assisted him at the QCWA booth. For the first time, our Chapter 29 banner will have been used at this, the largest hamfest held in the northeastern US. We will report on our success in the next Journal.

Our hearts and prayers go out to Bob Ardner, W2QZK, whose wife succumbed to a painful bout with cancer the first week of April. Although not a member, Bob is our guest at many meetings. We were happy to see and talk with him at our April luncheon. Treasurer W2UKA thanks KA2DNN, a regular guest, for his generous donation to the chapter's treasury.

It was agreed that we would continue our Weber's Restaurant luncheons at noon on the last Friday of each month. We will await arrival of any AWOL snowbirds and the results of recruiting at Rochester, then hold a business meeting at the June 30th luncheon. For those who may be unfamiliar with our meeting location, Weber's is located on Danforth Street, just south of the junction of First North Street and Court Street, in the city of Syracuse. Signs for Court Street are prominently posted on Interstate 81 and, from the east, on Carrier Circle at Exit 35 of the NY State Thruway. We welcome you and encourage you to come and join in our good food, drink, and eyeball QSO's!

Fred Adsit, NY2V, Secretary

Chapter Reports, continued



Chapter 30 members, left to right, back row: Sam Moore, W8NCD; John Palagino, WD8IBN; Art Ellis, W8PBO; Ron Selders, AA8AN; Archie M. Carpenter, W8GWR; Frank Wilkin, WA8FLZ. **Front row:** Arnold Sayre, W8WVM; Robert Hough, W8ESQ; Ruth Rice, K8ARA; Vaughn Rice, W8VOI; Robert Sims, W8KBM; Laymon Knicely, W8CCR

Chapter 30, West Virginia

Sixteen members and guests of West Virginia Chapter 30 banded together for a delightful luncheon meeting on Saturday, May 13, 1995. The meeting took place at the Western Sizzlin Family Restaurant in Buckhannon.

President Laymon Knicely, W8CCR, who missed the fall meeting because of a nasty fall from the roof of his house, opened the meeting at 1:30 PM. Knicely was assured by those present that the change from a dinner meeting in the evening to a noontime luncheon was more than acceptable. So it was decided to keep our meetings as a midday event.

Since there was no time to arrange a formal program, our special guest, Ted Wolfe, WD4KHL, was asked to make an impromptu oration about amateur radio. He did, and with much gusto talked about how ham radio is now evolving into a gigantic hobby that is making room for many, many new hams who have, in the past, had much trouble mastering Morse code.

P.V. Palagino, WD8IBN, Secretary

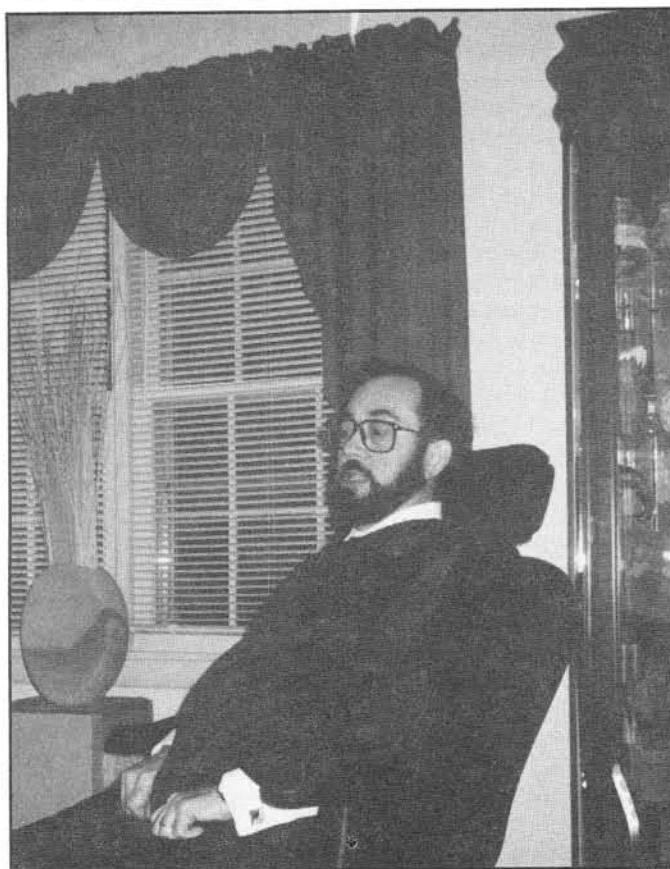
Chapter 35, MidContinent

Recognize this person? This is not the infamous California Judge Ito! It is none other than Larry Reeves, WA0GKZ, President of MidContinent Chapter 35 (Kansas City).

Larry is recognized for his leadership and hard work within the Chapter to make Chapter 35 outstanding. Other officers for 1995 include: Secretary Dick Willis, K0KUD; Treasurer Bill Cramer, W0ZL; Vice-President Bill McGrannahan, K0ORB and Dwight Sorensen, WA0ITU.

The Spring Banquet was held May 21st at RC's in Martin City. 45 members and guests participated. Meeting announcements confirmed a "look alike" contest held by the local radio station and the winner was "Judge" President Larry. The award was a Judge Ito Office Chair, valued at \$2000, which was promptly delivered to Larry's house Ham Shack.

Bruce Brewer, W0WHK was awarded the QCWA Meritorious Award and given a standing ovation for his extra work in



California Judge Ito look alike contest winner, Larry Reeves, WA0GKZ, President of Chapter 35.

being the Net Control Station Manager over the past many years.

Work in progress includes updating the Chapter records and Membership Information Call Directory. A membership mailing is planned to area potential QCWA members and on-the-air invitations to join QCWA when qualified.

Cass Cassing, W0GJG, Publicity

Chapter 38, San Antonio

We meet at 11:30 AM on the fourth Saturday of each month except in June and November when we meet on the third Saturday and in December when we do not meet. Due to conflicts with other amateur radio activities, the meeting date may occasionally be adjusted. We continue to seek a permanent meeting place. For confirmation of the date, time and place of the next meeting call Jim Wright, K5CDT, at (210) 655-2346.

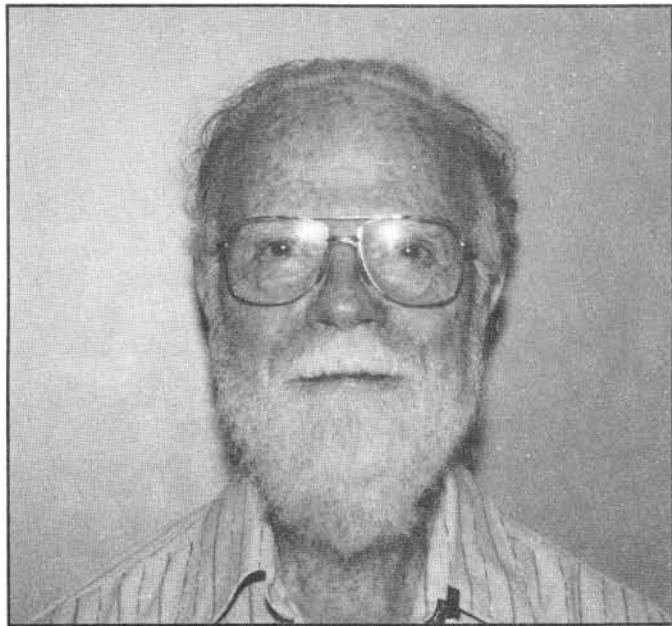
At our monthly meeting on February 25, 1995, Clay Laster, W5ZPV, presented a program on the Voyager II space probe. Clay's presentation included a series of color slides, many of which were taken by the space probe. From the questions asked, it was readily apparent all present found this to be a most interesting program.

At the March 25, 1995 meeting, Ray Wangler, W5EDZ presented a videotape entitled "America's Godly Heritage." This was an excellent review of the history of the relationship between the government and religion from the time of the founding fathers to the present. All present found it to be both enlightening and stimulating.

At our monthly meeting on April 22, 1995, we again called

on Ray Wangler, W5EDZ, for a program. Using a series of color slides, Ray described the history and function of the very large array of 27 antennas utilized by the National Radio Astronomy Observatory at its facility near Socorro, New Mexico. The attendance was small, but the presentation was fascinating.

Jim Wright, K5CDT, Secretary



Chapter 41, Dallas, presented a Certificate of Merit to Walt Wiederhold, W5OGZ, in recognition of his twenty-four years of faithful service as Secretary-Treasurer.

Chapter 41, Dallas

The Dallas Chapter recently honored Walt Wiederhold, W5OGZ, upon retirement from his long held office of Secretary Treasurer of the chapter with presentation of a Certificate of Merit recognizing his twenty-four years of faithful service. Walt, a retiree of Braniff Airways where he was a high speed telegrapher handling internal traffic and who later became a flight dispatcher, also produced without fail the chapter's excellent monthly newsletter.

Chapter members were recently treated to an interesting program hosted by Ben Holloman, W5CP, a retired career communications specialist with the Civil Aeronautics Board (CAB) and its successor the Federal Aviation Administration (FAA). Ben's presentation addressed the unique aspects of providing and maintaining aeronautical communications coverage in the Panama Canal Zone prior to and during World War II. Ben had many interesting anecdotes about living and working in a one-of-a-kind place particularly in the idyllic period preceding the war.

Bob Olney, N5NT

Chapter 46, Founders

On May 24, 1995, the Founders Chapter had its annual meeting at the United Nations building in New York City.

After a sumptuous meal in the Delegates Dining room, the group was taken to a private room, where we were all delighted by our guest speaker, Steve Mendelsohn, WA2DHF, Director of the Hudson Division of ARRL.

Steve was in rare form and his talk was well received by



President K2BHV, of Chapter 46, Founders, introducing Steve Mendelshon, WA2DHF, Director of the Hudson Division of ARRL. Photo courtesy of W2AUF

the large group of members and guests. His topics ranged from what is new in Ham Radio to the problems encountered in our area, with height restrictions on antennas. After a spirited question and answer period, all were very impressed by Steve's knowledge of the vast field of Ham Radio, but even more important, his breadth of understanding of the problems we are all facing as hams.

The consensus of the members was to have Steve back again at the next annual dinner meeting.

All present felt that this meeting and Steve's inspiring speech was the crown jewel in this productive year of our return to the position of being truly the Founders Chapter of our beloved QCWA. We are sure that our founding fathers are proud that there is a functioning and vibrant chapter of QCWA dedicated to their memory.

David Winter, W2AUF, Secretary Treasurer

Chapter 59

The Chapter 59 Spring Meeting had 18 paid-up members and 24 spouses or guests attending. John, NO9V presided and conducted the meeting. Highlights included W9ZEN, Johnny, a former Coast Guard radio operator, who copied the last CW transmission by the US Coast Guard Station NMN. He read the entire historic transmission to the group.

The speaker, Bill Dunbar, AD9E (former K9IMV), president of the Morse Telegraph Club, gave the history and a demonstration of Morse code (the real Morse code), its history, use for railroad dispatching and paragraph one baseball score announcing.

The door prize at the meeting, tickets for the Starved Rock Radio Club hamfest, was won by K9QOF and WA9NWE.

The annual election meeting will be October 14, 1995, at the Elms Restraunt in El Paso, Illinois at 6 PM.

Larry Keeran, K9ORP

Chapter 65, Niagara Frontier

Our chapter lost a real old-timer on February 15, 1995, Emil Berube, W2DGV. His QCWA #2944 made him an early member of the National QCWA. Emil lived in Fredonia.

The Antique Wireless Association (AWA) is building a rep-

Chapter Reports, continued

lica of the famous 1BCG transmitter used in the 1921 ARRL Transatlantic Tests - the first amateur station to send a complete message across the Atlantic. Details of the ARRL Transatlantic Tests appeared in February 1922 *QST*. The AWA hopes to have the transmitter operating some time this fall, with the call sign W2AN. The replica station will operate on 160 meters.

Here is a partial listing of upcoming Hamfests and Auctions: PROS Pioneer Radio Operators Society Hamfest & Computer Show, Manion Park, Chaffee, Saturday, August 26, talk-in 145.39; Buffalo Hamfest/ARRL WNY Section Conv. Hamburg, Saturday Sept. 16; Elmira Hamfest, Saturday, Sept. 30; PROS Auction Town Hall, Sardinia, 1 PM Saturday, Nov. 4; Rochester Hamfest - 1996-31 May, 1 & 2 June.

Ken Palmer, K2FJ/ZB2G



Bill Barrie, VE3AAS, on the left, President of NC Chapter 70, is shown presenting a 45-year pin to Fred Hawkins, VE3KH, on the right. Photo courtesy of Jim Dean, VE3IQ.

Chapter 70, National Capital

QCWA Chapter 70 has held two meetings so far in 1995. At the February 15th meeting the speaker of the evening was George Roach, VE3BNO. George had previously given a presentation on the external features of moving a 50 KW commercial transmitter to a new site. The February slide talk showed us what was involved in assembling the transmitter and associated equipment inside the new transmitter building. The new transmitter was of up-to-date solid state construction - some change from the old vacuum-tube transmitter.

The speaker for the May 17th meeting was Bill Sullivan, VO1AI. He gave us a slide presentation on a trip he made to the Antarctic and neighboring islands. A very fascinating trip indeed, and one that very few people have been able to undertake. An auspicious moment at this meeting was the presentation of a 45-year pin to Fred Hawkins, VE3KH.

The past-president of Chapter 70, Croft Taylor, VE3CT, and myself, Keith Bedal, VE3GFI, attended the spring meeting of QCWA Chapter 73 in Hamilton, Ontario, on May 13. Croft, in his role as a Director of QCWA, gave an update on QCWA HQ events and also presented several awards to members of Chapter 73. This was an enjoyable meeting for both of us - giving us the opportunity to meet friends that we had previously only heard over the air. I especially enjoyed an after-the-meeting tour of the Hammond Museum of Radio in Guelph, Ontario.

Keith Bedal, VE3GFI, Secretary Treasurer



Left to right: Chapter 75 banner, Joe Johnson, speaker, memorabilia; Acting President, Len Cummings, W6RBB.

Chapter 75, Central California Coast

Our Spring Luncheon and program was enjoyed by 35 members, and friends of Central California Coast Chapter 75. The luncheon was a serve-yourself buffet, with BBQ Chicken, BBQ Tri Tip & Roast Turkey along with salads, veggies & dessert, which everyone enjoyed!

During introductions of those present, we had the pleasure of again honoring John Peer, W8LS, long-time member with 76 years of Amateur Radio Service behind him, and now 92 years of age.

For our program, our members and friends had the great pleasure of listening to Mr. Joe R. Johnson, Division Chief of the Santa Maria Fire Dept., talk concerning all fire related problems and activities.

Joe is currently one of two Division Chiefs that work under the Chief of Police/Fire, Daniel L. Shiner.

Joe began his career with the S.M.F.D. in 1964. He was promoted to Capt. in 1967, and Battalion Chief in 1972. He has a teaching credential in Fire Science, and has been a part-time instructor at Allan Hancock College. Joe has been married 31 years, with two grown children and one grandson. His hobbies are: photography, collecting fire memorabilia, and public speaking.

All members & friends enjoyed the "Q & A" period following his very interesting talk as well as the valuable exhibit of fire safety devices and recommended fire extinguishers, including current fire alarms which are all tied together so that if one is activated, all will sound the alarm! He kept us on our toes as well as in stitches regarding the serious business of coping with all the ramifications of protecting the public from fires!

After the program, several door prizes were given away, among them a crate of Santa Maria grown strawberries, all in all a very enjoyable time of fellowship with QCWA friends from Pacific Palisades, Bell Canyon, and Simi Valley, to the south, to Oakhurst, CA in the northeast, all in the Central California Coast Chapter 75 membership area.

Dave Kreiss, W6ELH Secretary

Chapter 77, Northern NJ

The Northern New Jersey Chapter No. 77, QCWA held its Spring Luncheon Meeting on Saturday, March 25 at the Robin Hood Inn, Clifton, New Jersey with 39 members and friends in attendance.

The meeting was the occasion for the presentation of the



Dave Wiesen, K2VX, right, retiring President presenting Chapter Charter to Bob Potter, WA2ALQ, President. Photo courtesy N2KWF

Chapter Charter, QCWA banner, and gavel to the new president, Bob Potter, WA2ALQ, by the outgoing President, Dave Wiesen, K2VX. Dave continues to serve as Vice President; Henry Dull, W2PHW as Secretary Treasurer; Bill Fisher, K2GVC became 2nd Vice President and Carl Felt, N2XJ, Recording Secretary.

President Potter opened the meeting by asking all present to introduce themselves and their guests. He also requested that each amateur operator state the date of his or her first ticket. There were a number of members with ham tickets dating back to the early 1930's but none early enough to be eligible to join QCWA when it was founded in 1947. Unfortunately, Ralph Hasslinger, W2CVF, the founder of our Chapter and also a Charter member of QCWA was not able to be present.

Dave Wiesen, K2VX, had some interesting remarks regarding the many changes in amateur radio since the founding of QCWA and the time at which many of those present were first licensed. He drew attention to the rapidly increasing rate of change in our hobby, citing that we have members who are computer literate and are operating in digital modes, as well as those whose interests are satellite communication, CW and voice.

A very enjoyable social time was had by all. Stick-on write-on name tags were made available to all by Milt Halliburton, WB2OXI. Lloyd Cook, W2DG, won the 50-50 drawing.

Henry Dull, W2PHW, Secretary Treasurer

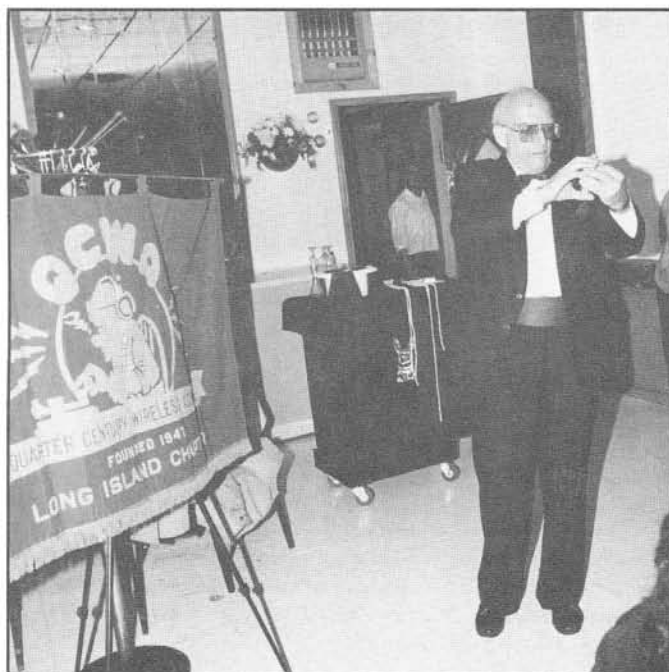
Chapter 79, Sunflower

The Sunflower Chapter 79 held its April 26, 1995 dinner meeting at Spears Restaurant with an attendance of 23. The program of the evening was presented by Gary Vreeland, NDØT. Gary is a Certified Master Optician and gave a talk about 20/20 and its meaning. He used a chalk board to illustrate the 20/20 measuring scale, the eye and its parts. The talk was very informative and he answered many questions from the floor.

Del Patterson, WØJCY Secretary

Chapter 81, Long Island

Our first bimonthly meeting of the year was held on February 18th. Generally our meetings are held in the evening for dinner, but on this occasion it was changed to a noontime luncheon meeting. This was done in answer to some members request who did not wish to drive at night. We



Amateur magician Arthur Reiss, WA2YBG, entertaining at the Chapter 81 meeting.

found that attendance was about the same. Some members did come who generally don't attend and some others who generally do come, stayed away. This gave rise to the thought that the switch might be tried again.

For entertainment we showed a video about the DXpedition to Peter Island, which held the interest of all who watched and was enjoyed by all.

The following meeting was held on April 13th. This time in the evening for dinner. We had the usual number in attendance (25). We welcomed with a toast two members who had been hospitalized with heart problems and had now recovered. A short address was given by Arthur Mayer, W2BHV, President of neighboring Chapter 46 (Founders).

The entertainment for the evening was furnished by Arthur Reiss, WA2YBG an amateur magician as well as a radio amateur. He delighted the membership with his skillfully executed tricks and thus the evening was enjoyed by all.

A group visit to the Flight Controllers Center for our metropolitan area is planned for later in the spring and a report on this will follow later.

Herman Milatz, W2TLC Secretary

Chapter 82, Sailfish

The May meeting of the Sailfish Chapter was held at the Flamingo Restaurant in Stuart, Florida. There was a good turnout especially for the start of the summer season here in Florida, 28 members and guests were present.

After the usual business was conducted by President Bill Jochimsen, K4ZK, it was noted that two of our members in the local radio club were listed as Silent Keys, namely Charles Ham, W4TTX and Walter Hattendorf, K4KAH. Also under health and welfare, one of our members, Matt Courtney, W2MAT, was reported back in the hospital. Matt has had a bad time of it lately.

On a happier note all of us present at the gathering were happy to congratulate Bill Phelan, W2AWA and his lovely wife, Eleanor, a very happy 60th wedding anniversary. WOW!

Chapter Reports, continued



Chapter 82 members who recently received Golden Certificates. Left to Right: Bill Jochimsen, K4ZK, 60 yrs; John Erickson, AD4N, 55 yrs; Bill Nagata, K4KPH, 65 yrs; George Daly, W3WU, 60 yrs.

We then welcomed two new members to the chapter, Chet Kucya, W2BTP and Tom Stewart, K3TS.

President Bill Jochimsen then presented Golden Certificates to the following members of the chapter: John Erickson, AD4N 55 years; George Daly, W3WU, 60 years; Bill Nagata, 65 years. Then Secretary Treasurer Norm Dias, W1UHY, presented a 60 year Golden certificate to President Bill Jochimsen, K4ZK. All were duly congratulated. A nice luncheon was then had by all.

An open invitation to all QCWA members is extended to any of our Chapter meetings, which are held on the 3rd Friday of the month year round at the Flamingo Restaurant on US 1 in Stuart, Florida.

Norm Dias, W1UHY, Secretary Treasurer

Chapter 87, Evergreen

As this report is being written the calendar page has just been turned from April to May. We can look on this action as being one month older or we look forward to another wonderful month with spring here and all the trees starting to bud and flowers starting to bloom (depending on where you live as you read this).

The month of April was a great month for Evergreen Chapter 87. Our Great Spring Bash was held in Spokane with some 60 people in attendance. According to our members it was one of our very best programs we have been able to provide during our twenty years in existence.

Captain Al Haynes of United Airlines who was the pilot of the DC-10 that lost all steering controllability a few years back and crash-landed in Sioux City, Iowa. His presentation was outstanding as we were able to listen to the actual tape recording between the cockpit and airways traffic control plus the Sioux City Airport Tower Controller. Such great calmness came across as Captain Al worked along with his crew to guide that DC-10 to a landing. All this was illustrated with lots of pictures.

If any chapter is looking for a great program we highly recommend having this presentation. Captain Haynes is usually booked about a year ahead so if you are interested contact him early.



Geoffrey Woodhouse, W7FL, with his Meritorious Award presented to him by Chapter 87, at the Lewiston, Idaho Vet's Home. His beautiful XYL, Peggy, stands in back of him.

A Meritorius Award was recently made to W7FL, Geoffrey Woodhouse, for his efforts to start Chapter 87 some twenty years ago. The presentation was made to him in the Veterans Home in Lewiston, Idaho, by a number of our members. Geoff is suffering from Alzheimers disease and has good moments and time not so good. We all are grateful to him for his foresight in putting forth all the effort and work to "get us going". Thanks, Geoff!

Our group extends an invitation to any QCWA member who is either in the area or just passing thru to join us in the City Park of Colfax, Washington, on July 30th as we hold our annual picnic. This year it will be to celebrate our 20th birthday. So if anyone from another chapter or a member without affiliation is around please drop in. Colfax is 60 miles South of Spokane, Washington on Highway 195. Y'all come !!

Would you like to provide assistance to the National? You can by accepting the offer to run for one of the Director's positions. Please just let me know ASAP and your name will be forwarded for consideration. This note is being included in our report as I am a member of the National Committee on Nominations.

We regret reporting the passing of Orval Hill, W7DB, on April 19. Orv was retired from Northwest Airlines after serving many years as manager in Butte. He was also a member of Treasure State Chapter 104 where he served as their Net Control on their Saturday Net. We will miss him very much.

We extend a welcome to two new members, William Nadwornick, K7CTS, of Greenacres, Washington and Walt Boyer, K7CTR, of Liberty Lake, Washington. Was nice to see you at spring meeting.

Don, W7VOU, of Orofino, Idaho, usually is able to offer some wild tale that has happened but, believe it or not, nothing worth reporting has occurred to him during this quarter. Just wait until next issue and he'll find some kind of mischief.

Al Cutting, W7ENQ



Jack Kelleher, W4ZC on the left, presenting a 75 year award to Charles Concannon, K4RQ, of Chapter 91.

Chapter 91, Vic Clark

The Northern Virginia, Maryland & District of Columbia area QCWA members had one of their best meetings on April 21, 1995 at Neighbors Restaurant in Vienna, Virginia. This location has, of recent months, become our regular bimonthly meeting location.

For the first time, in this Secretary's experience with QCWA, we had the privilege of presenting a 75 year award to Charles Concannon, K4RQ. Charles, who recently joined our Chapter, has been quite active on the Chapter Sunday Morning Net and brings a wealth of experience to our ranks. He spent a considerable number of years in Naval Communications activities and started out in Amateur Radio at the tender age of 14. Charles thanked QCWA and the Chapter for the award and let us in on some choice radio experiences he has encountered over the years.

The program for this meeting was an audio recording and vocal presentation by one of The Voice of America's leading staff members, Alan Heil. The title of the program was "The Theater of the Mind". During the program Alan was able to demonstrate how it was possible to cause mental pictures to evolve from well developed audio programs and in some cases better depict ideas and images by letting the human mind develop what it perceived from audio stimulation alone. This program was very well received, particularly by some of the ladies who seldom get to hear nontechnical presentations. We hope to get Alan back for more of this experience.

In addition to the program and 75 year award presentation we were able to get reports on AARL, FCC and FAR activities as well as the usual Secretary's and Treasurer's reports. Considerable discussion took place concerning FCC proposed rule making RM-8626 and members were encouraged to make their positions known through proper channels. Our usual 50/50 drawing was well received and our treasury benefited as well as Dick Rucker, KM4ML from this, one of our old standbys.

Lew Bradley, W4SWP Secretary

Chapter 92, Northern Lights

This issue we would like to spotlight one of our members, Mary Olendorff, KL7BLD, who was a radio pioneer, Alaskan style. Mary and her OM, Sandy, KL7CAH, now



Mary E. Olendorff, KL7BJD, Alaskan radio pioneer.

a Silent Key, were mainstays of the Alaskan ham community for many years. Their first amplifier was a broadcast amplifier salvaged from a local AM station in Anchorage. They were involved in implementing the concept of using amateur radio to assist officials and participants during sporting events, when in the early sixties they helped provide communications for the annual World Championship Sled Dog Races in Anchorage. Handi-talkies weren't real common in those days, so Gonset Communicators, on two-meter AM, were used for the race checkpoints. Later they were involved in providing communications for the Iditarod Sled Dog Race, which has become an annual world-famous event, for which even CNN is now creating a little RF. For those of you not familiar with the Iditarod, this is no doubt the toughest race in the world, where each spring, dog mushers race over 1400 miles, from Anchorage to Nome.

For many years Mary and Sandy kept the Alaska Sourdough Net active, providing an essential service for Alaskans in the Bush. They were there, every night, for years, helping people survive floods, fire, injury, frostbite, loss or depletion of supplies, and cabin fever (boredom). Some nights the nets were frantic and confused, as attempts were made to help someone in need. Some nights the nets were sad, as word of death or other misfortune was relayed. But, most nights were just fun times, Hams getting together to laugh or fellowship through those cold winter evenings.

Mary and Sandy were heavily involved in emergency and priority communications during the famous 1964 earthquake, and they served as quasi-ambassadors for Alaska and Ham radio when the Amateur Radio stamp was issued in the mid-sixties. Mary is now residing in the Alaska Pioneer Home in Anchorage. She is eighty years old and confined to a wheelchair, and as with most of us, her body is starting to show some wear and tear. But her mind is sharp, her mischievous smile lurking near the surface, and she's still an active participant of QCWA Chapter 92.

Larry Plessinger, AL7LW, Secretary Treasurer

Chapter Reports, continued



Past President of Chapter 94, Joe Huffman, KG5GM, with his 55 year anniversary award.



From the left: John Halliday, W5PIZ; Willard March, W5LYQ and Warren Perkins, W5UZU. Each of these members received 60 year awards from Chapter 94.

Chapter 94, Albuquerque Road Runner

Our 1st Quarter Meeting for this year - 1995 was held Saturday, March 11th at Shoney's Restaurant, 9700 Montgomery Blvd., NE, Albuquerque, NM at 1:00 PM. The highlight of the meeting was guest speaker, Ray Shipp of the Cancer Survivor Group of Albuquerque. Also presentations were made of the Golden Award Certificates to distinguished members that have achieved 50 years or more in the Amateur Radio Service.

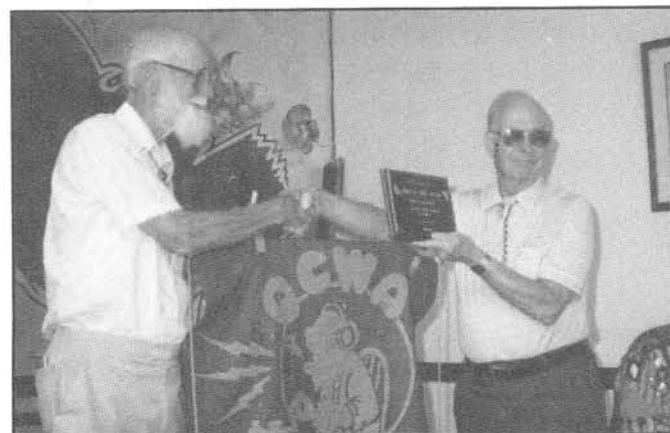
Past Club President, Joe Huffman, KG5GM, was presented with a 55 year anniversary award. Carl Carlberg, W5IH (not present) was recognized for his achievements as follows: a Certificate of 65 Year Anniversary Award, and a Century Club Certificate commemorating his 101 year degree-thats age added to years as a QCWA member, total 100 or more.

Continuing-Club Vice President, John Halliday, W5PIZ, was presented with a 60 Year Anniversary Award; new member Willard March, W5LYQ received a 60 Year Anniversary Award commemorating 60 years as a licensed amateur operator; Warren Perkins, W5UZU, was presented with a 60 Year Anniversary Award as well; lastly, Loyt Lathrop, W5YSK (not present) was recognized for his achievement of a 60 Year Anniversary Award also.

Irving McLane, N5KVB, Secretary-Treasurer



The two smiling gentlemen are, left to right - Norm Darch, W2HGV and John Spark, W4LHP. They were presented 55 year Anniversary Awards from QCWA. Photo courtesy of WA4OZA



Daniel Child, W3IUW, receiving an award from AC4NF. The award is for his past service as President of Chapter 107. Photo courtesy of WA4OZA.

Chapter 107, Florida

Now is the time of the year that many "snowbird" members of our Chapter head North to cooler climates for the summer. We have had a very busy winter at our monthly meetings. Our new officers have got off to a good start and after a summer of social meetings we look forward to the fall when most of our members return.

We are inviting all Hams who may be visiting in our area to come join us at our monthly meetings. We have many interesting programs that are of interest to spouses as well as Amateurs. Our Chapter meets the third Saturday of every month at 11:30 AM at Stacy's Buffet, 4320 U.S. Hwy 98, North, Lakeland, Florida, (one mile north of I-4).

Jay Hitchcock, K8YGH, Acting Secretary

Chapter 108, Beaver State

The Beaver State Chapter 108 held its spring quarterly meeting on 15 April 1995 at Burton's Restaurant, Corvallis, with 33 members and guests in attendance. Following lunch President Rusty Laughlin, W6HVN called for an introduction of members and guests.

Following the reading of the January meeting's minutes and financial report, President Rusty then presented a 60 year Distinguished Member Certificate to Jim Kawaga, W6VNN.



"We honor guests". From the left: Fred Dickson, W7LBH, Secretary of Chapter 108; Clyo Dickson, guest; Rusty Laughlin, W6HVN, Chapter 108 President.

QCWA's General Manager, Jim Walsh, W7LVN, who also is a Charter member of this Chapter presented information concerning the recent Board meeting. Jim brought along a new camera and took numerous pictures of some of the officers, guests and the meeting hall. Most of these will find a way into our historical records but we will share one.

President Rusty brought along several pieces of WW II radio equipment, the type used by the OSO in clandestine operations, which he described. Anyone interested in QRP CW operations would be very interested in these hand-sized self-contained transmitter, receiver and power supply units (for battery and/or AC operation).

Our next meeting will be in Eugene on 15 July 1995 with Jim Walsh, W7LVN and Fran Dillman, KA7TWD as hosts.

Fred Dickson, W7LBH, Secretary

Chapter 109

Hope this brings our Chapter 109 members up to date on past and future events. First off, elections were held for the term of 1995-97. The following were elected: President - El Charlton, W5MD; Vice President - Wayne Gordon, K5EOA; Secretary/Treasurer - Warren Aubin, K5DVQ. The two Board members are Al Heine, W5OVV and Bill Goforth, W5URR. Our chapter historian is George Perry, W5LVX.

It is with regret that we lost Cliff Ratliff, W5DHE, one of our charter members. Our sympathy also goes out to George Perry, W5LVX, who lost his mother.

We had a fine meeting at Podnah's barbecue on the 25th of February. Our next scheduled meeting will be on the 29th of April at Al Heine's place in Rosedale. If it's raining we will go to the church nearby.

Our winner for the "Member of the Year" award goes to George Perry, W5LVX, and will be presented at our get together at Al's in Rosedale. Congratulations are in order for George.

We also presented 4 members with certificates of licensing from 50 to 60 years. They were Al Vendt, W5JGO; Jim Powell, W5LHZ; Jim Ware, W5HGP and Eddie Miller, W5EXI. Congrats fellows!

Mark your calendars for the 15th of July as we will hold a joint meeting with the Cajan Chapter 189 of Lafayette. Meeting is to be held at Robin's Restaurant in Henderson, Louisiana. Should be a great one.

El Charlton, W5MD

Chapter 112 Yankee

April 29th was the date for the Chapter's annual meeting, which was held this year at Periwinkles Restaurant in N. Oxford, Massachusetts. Thirty two members and guests attended the meeting. This was the first time the meeting has been held at this location and everyone was pleased with the environment and the dinners.

Officers elected for the coming year were: President, Len Hadley, W1YGC; Vice President, John Stacy, W1KIM; Secretary /Treasurer, Chuck Walbridge, K1IGD; Activity Director, Chet Tammany, K1LIL; Net Control Manager, Al Fruzzetti, K1JJJ; and continuing as Administrator of the Sunshine fund, Joe Santangelo, N1JS. Outgoing Treasurer Gladys Chase, W1VPF, was presented with an award of appreciation from the Chapter for her four years as treasurer. Door prizes were won by Harry McDade, W1LMU, and Mary Quinn, K1SCP's XYL.

News of the recent Director's Meeting was reported by Milt Chaffee, W1EFW; Wes Randles, W4COW and Gladys Chase, W1VPF. Gladys also presented a summary of the 1995 National Convention status.

All members were reminded of the New England summer picnic scheduled for July 22nd at the Ft. Williams Park at Cape Elizabeth, Maine. This park is the site of the famous Portland Head Light.

There being no further business the meeting was adjourned at 2:15 PM.

Charles Walbridge, K1IGD

Chapter 126

The spring meeting of Chapter 126 was held on Saturday, March 18, 1995 at The Best Cafeteria in Siler City, North Carolina. Fifteen members and their guests attended.

A report on our Sunday morning net was given. In the past three months there were 166 check-ins for an average of 11.66 participants.

After a fine meal, Jim Sylivant, KM4BI, gave a program on his and his XYL's participation in a project to improve the life of the people of Haiti. Jim's project was to engineer and help implement a pipe line to bring spring water down a mountain to a location where the people needed running water. He also operated a ham station at the hospital where his group was staying.

The project was directed and funded by Haiti Fund, Inc., P.O. Box 1075, New Bern, North Carolina. Anyone interested in going to help the people of Haiti should contact this organization.

Wilbur D. Fulton, W2SE, Secretary

Chapter 128, Pelican

The Pelican Chapter wishes to thank our own Don Bice, W4PCO, his lady Grace, and Bob Klieber, KR8G, for their scoring of the Phone QSO Party that was held in March.

Several of the Pelicans are going to see each other at the Convention at Manchester in October. We are looking forward to seeing and visiting with our national officers.

For all readers on this column, don't forget the famous "Big Brown Bird Picnic." It's never too late to get your reservations in for this affair. The date to remember is November 15th. Contact the Pelican Treasurer, Don Bice, to secure your ticket for fried chicken and all the prizes that we will award.

Several of our members will be away during the summer; mostly back wherever home was before coming to Florida, and to the mountains of North Carolina. Our officers continue to serve us well.

Chapter Reports, continued



At the Pelican Chapter Picnic (Big Brown Bird Picnic) last Nov. 16th. From left to right: Bill Bell, K4AVH, Pelican member and President of the Gator Chapter 32; Irwin Meyers, WA2YQU, President of the Pelican Chapter for 1994 and President elect for 1995, now a Silent Key as of Jan. 3, 1995; Wesley Randles, W4COW, now President of the Pelican Chapter (1995) and a member of the Gator Chapter and National Treasurer of QCWA; Blanche Randles, W4GXZ, past President of the Pelican Chapter, a member of the Gator Chapter, National Taping for the Blind Director and Co-Chairman of the 1995 National Convention at Manchester, New Hampshire. To the extreme right is Croft Taylor, VE3CT, National Director (Canada), a member of the Pelican Chapter and spokesman for the 1996 Convention.

The Pelicans will continue to meet during the summer at Stacey Buffet, located in the Tyrone Gardens Shopping Center, 10th Avenue North and 58th Street in St. Petersburg. We meet every 3rd Wednesday at that location except in November when we hold the picnic. So if you are in the area any 3rd Wednesday come in and enjoy our company.

Jay Strom, K9BSL, Secretary

Chapter 137, Shenandoah Valley

Meetings: Third Wednesday of odd-numbered months, at 12:30 PM; Carper's Valley Golf Club, 1401 Millwood Pike (Route 50 East), Winchester, Virginia; reservations suggested. Information: Perry F. Crabill, Jr., W3HQX, (703) 662-7526. Mailing Address: 225 Milam Dr., Winchester, Virginia 22602

Seventeen members and guests attended the meeting of QCWA Chapter 137 at Carper's Valley Golf Club on route 50 east of Winchester, Virginia on March 15, 1995. A social period at 12:30 PM was followed by a buffet luncheon at 1:00 PM. The business meeting that followed at 1:45 PM was opened by President Walter Johnson, WA3HVU.

ARRL Roanoke Division Director John Kanode, N4MM, advised that the Roanoke Division Newsletter would be mailed shortly. He displayed a copy of the DXCC Yearbook for 1994. Vanity call signs were a hot topic at the ARRL seminar at the recent hamfest in Charlotte, North Carolina. Full details will be published in the April issue of QST. January's ARRL Board meeting was held in San Antonio, and was a productive session. Some of the 2.4 GHz frequencies were salvaged; more fights for amateur frequencies can be expected.

Perry Crabill reported that member Charlie Curtis, K4LWG, was now allowed to drive short distances. He would have at-

tended today's meeting, except for a conflict with a doctor's appointment. Charlie plans to be at next week's Lunch Brunch, if at all possible.

There was no new business or old business. Our speaker was Ed Rich, K3THD, who talked about emergency communications systems. The Association of Public Safety Communications International is telling Emergency Service organizations at the city, county, and state government levels that cellular telephone service gives emergency communications a new dimension. Cellular was used in California during the Green Meadow fire for evacuation and backup; also during the Iowa floods two years ago. Certain problems cropped up, including wet phones, dead batteries with no recharging facilities, and misuse of channels.

Cellular is still considered useful, but a command network is needed for overall management. Hams used to be able to fill in, as during the Johnstown flood some years ago. Virginia now has an emergency organization manned 24 hours a day, with regional and county Directors of Emergency Service; Tom Owens has the post for Frederick County, Virginia. The only formal amateur organization is ARES, considered a second-hand operation.

Last August Ed bought a 1974 ambulance which he is converting into a mobile communications center. It will be re-wired and painted, and equipped with VHF equipment for fire, police, emergency services, aircraft, marine and military channels. It will also have amateur radio packet and 75 meter capabilities and two cellular phones. Solar panels can provide 100 watts of 12-volt DC power, and there will be a generator. He hopes to have it on the road by June.

After Ed's talk, and before adjourning, Walt Johnson encouraged everyone to recruit new members for the Chapter, and to call his attention to any program possibilities. He announced that the next meeting would be on Wednesday, May 17, at Carper's Valley at 12:30 PM. Ed Helvey, WA2FMT, will talk about Internet at that meeting. Ed and Joan Rich volunteered to present a program on stained glass in July.

The meeting adjourned at 2:30 PM.

Perry Crabill, W3HQX, Secretary Treasurer

Chapter 138, Central New Jersey

The fourteenth annual awards dinner was held on Sunday, May 7, 1995, at the Fort Monmouth Officers Club. The banquet was attended by 121 members and guests. Vice President Bob Buus, W2OD, opened the meeting with an invocation and pledge to the Flag. President Phil Petersen, W2DME, welcomed the attendees and introduced special guests including National QCWA Vice President Jack Kelleher, W4ZC.

Secretary Paul Anselmo, AE2S, summarized the past year's activities. Chapter 138 gained six new members: Dave Kennedy, N2TFP; George West, WA2MNV; Frank Segalla, W2FFH; Bill Dade, W2HGI; Janice O'Hara, WA2OPY; and Jack Kelleher, W4ZC.

Sadly, the Chapter lost three members as Silent Keys: Tom Junta, N2CUI, November 1994; Charlie Arkle, WA2LMW, December 1994; and Pat Moran, W2EM, January 1995.

Since last year's banquet, three quarterly meetings were held and a visit to the Monmouth museum was made in August, 1994.

Four Diamond Jubilee Awards were presented to Chapter members who have been continuously licensed for at least 50 years and are at least 75 years old: Joe Strockbine, W2KCO; Bob McKinley, W2OMR; Seymour Krevsky, W2JBI; and Mike Ruggiero, W2NVR.



National QCWA Diamond Anniversary Awards (first licensed 75 years ago) at Chapter 138. From left to right: Earl Korf, K2IC; John Mulhern, N2GOF; National Vice President Jack Kelleher, W4ZC, who presented the awards, and Past National President Frank Gunther, W2ALS.



Nat'l Vice President Jack Kelleher, W4ZC, surrounded by four lovely XYLs at the Chapter 138 Annual Dinner. The ladies are (l to r): Dr. Christine Haycock, WB2YBA, guest speaker; Leta Ladd, WA2QCE, Treasurer; Alene Peterson, KB2OJL (W2DME XYL) and Margaret Kelleher, XYL of W4ZC.

Three Diamond Anniversary Awards were presented by National QCWA Vice President Jack Kelleher, W4ZC, to members first licensed 75 years ago: Earl Korf, K2IC; John Mulhern, N2GOF; and Frank Gunther, W2ALS. Jack pointed out that there are only about 20 QCWA members who have this award.

The Annual Elmer Award was presented to Al Allen, K2LG, who has over the years encouraged and helped newcomers in the hobby.

A Public Service Award was presented to Roy H. Edwards, KB2LUO, who has supported notable Public Service activity through amateur radio communications.

A Special Achievement Award presented to Dr. Christine Haycock, WB2YBA, for her humanitarian medical efforts throughout the world and her activity in the Medical Amateur Radio Council.

New officers were inducted for 1995-1996 terms: Bob Buus, W2OD, President; Joe Dreifuss, WA2GSY, Vice President; Bernie Ricciardi, WB2EJT, Secretary; and Leta Ladd, WA2QCE, Treasurer.

Guest Speaker was Dr. Christine Haycock, WB2YBA, President of the International Young Ladies Radio League. Dr. Haycock encouraged all YLs and XYLs to get their licenses and join in the fun of amateur radio. She related many of her interesting experiences in her amateur radio hobby. She is also a very accomplished photographer.

Dr. Haycock, professor emeritus of surgery at the New Jersey College of Medicine and Dentistry, has a number of accomplishments to her name: She was the first woman to intern at the Walter Reed Army Hospital; the first Army nurse to transfer to the Medical Corps; and the first woman to command a major military unit, the 322nd General Hospital Unit. She has been very active with the Medical Amateur Radio Council (MARCO), which combines her love of medicine with her love of amateur radio.

The meeting closed with the awarding of several door prizes and a 50-50 won by Jon Lowing, N2DPC.

Bob Buus, W2OD, President



At Chapter 148 five members were presented with Certificates for a total of 280 years. Left to right: Al Rioux, AB4GD, 55 years; Bob Gordon, W1KUL, 55 years; Allen Hotchkiss, K4IKN, 60 years; Russ Beams, W8AAL, 55 years and Bud Cudney, W2IWO, 55 years.

Chapter 148, Hernando, Florida

The February meeting was held on the 15th with an attendance of 43 members and guests present. We welcomed two new members, George K4EEP and XYL Mildred, and Rudy W1MSK and XYL Sally.

Five members were presented with certificates for a total of 280 years. Russ, W8AAL, 55 years; Al, AB4GD, 55 years; Harry, W2IWA, 55 years; Bob, W1KUL, 55 years; Allen, K4IKN, 60 years.

The March meeting was held on the 15th with 38 members and guests present.

Chet, W1HGK was presented with his 60 year Certificate bringing the total years to 340 for the two meetings.

We were very pleased that Ed, W1HDQ and Lietha Tilton were able to attend.

On March 29th we had our "Bye Bye Snowbirdie" picnic and there were 43 members and guests attending. The weather and the company were great. We also had some unexpected visitors, the love bugs were hatching by the thousands. Next year "Yard Guard".

Eunie Gordon, W1UKR, Secretary

Chapter 154, Leo Meyerson

The 10th Annual Spring Luncheon of the Chapter drew its customary large gathering from the Coachella Valley and surrounding areas, including Los Angeles, San Diego, Blythe, the High Desert and Arizona. Any apprehension that the new format for this year's luncheon would dampen the spirit of the attendees or the size of the attendance was swept away by the enthusiasm which greeted the change of part of the venue which kept all events at the Erawan Hotel in Indian Wells.

The Chapter did not hold its pre-luncheon party on Friday night as it had done in the past two years at the home and antenna farm of Don Doughty, W6EEN. Instead it opted for a no-host early evening session around the pool at the hotel. It followed that with a Saturday morning duo of seminars on

Chapter Reports, continued



"475 Years and Still Hamming" Front L to R: Grant Workman, AC7I; Alvino Rey, W6UK; & Ray Larsen, W7NMK. Rear L to R: Joe Higgins, N7BHZ; Clayton Clark, AC7O; L.A. "Woody" Woodward, W7KOP; Herb Wright, W7BE; & Ken Johnson. Photo courtesy W7LQU.

antenna efficiency and reminiscences from Lew McCoy and Morgan McMahon, N6VY, on his hobby of collecting old time radios. Both sessions drew a packed house audience, including a lot of feedback from QCWA members who could empathize with the speakers.

QCWA President, Lew McCoy; QCWA General Manager, Jim Walsh; QCWA Vice President Jack Kelleher; Past President Leland Smith; Past President Harry Gartsman; QCWA Directors Jack Troster and Gary Harrison were among the attendees. ARRL Southwest Division Director, Fried Heyn and well known ham, Dave Bell, W6AQ, along with others like the chapter's namesake, Leo Meyerson, also contributed to the festivities.

The featured speaker was Art Goddard, W6XD, who spoke on his recent DX expedition to Lord Howe Island in the Tasmanian Sea. Awards and honors were also bestowed on a few of the visitors and members. Fellowship at its sparkling best flowed through the gala gathering like the comfortable breezes that featured the 24 crowded hours of the gathering.

Plans in a similar format are already underway for next year, according to Doughty, the chapter president.

In the final noon luncheon of the chapter in May, Bob Rose, W6KRZ, was elected as the new Chapter Vice President and Harvey Newman, WB6JTN, was named Secretary.

Sidney R. Rose, W9VKC

Chapter 160, Utah

Our annual dinner was May 3rd and was in honor of W6UK, Alvino Rey's 75 years as an Amateur Radio Operator. 48 members and guests turned out to greet Al and Luise. Historic radio gear graced the tables. Al was presented with a book of letters of congratulations from members of the Chapter, and Woody, W7KOP, presented Al with the beautiful 75 year plaque from National QCWA. An added touch was provided by Jim, K6JMZ, for our enjoyment. He played a tape of old radio shows, and then the tape, "Alvino Rey and His Talking Guitar", what memories!

Besides the 75 year plaque presented to Alvino, the following certificates were given out: 60 year to Clayton Clark, AC7O; 55 year to Grant Workman, AC7I. Those unable to attend the

dinner were presented individually: 65 year to John Forgacs, W2AAS; three 60 year to: Bryan Madsen, KQ7R; Don Ming, WB7F; Keith Knappen, KA8LDS; and 50 year to John Miller, KD7YF.

Maryellen Vaughan, KA7ZRW



Master of Ceremonies Larry McCalvy, WA9JMO presents a Certificate of Appreciation plaque to Spencer Clope, W9LDH at the Chapter 162, Southeast Wisconsin Annual Ham Banquet.

Chapter 162, Southeast Wisconsin

On February 19, 1995 the Chapter held its annual Valentines party at the Station Restaurant in Kenosha, Wisconsin, attended by 25 members, wives and guests. A fine meal was enjoyed by all followed by the usual good fellowship and a lot of lie telling. On February 25 the annual Southeast Wisconsin Ham Banquet sponsored by all Amateur Radio clubs in the Racine/Kenosha area was held at Ensenada's Restaurant. Five chapter members were recognized by presentation of certificate plaques for appreciation or meritorious service to the Amateur community. Chapter member Larry McCalvy, WA9JMO, was master of ceremonies for the affair and presented awards to several local Amateurs in recognition of outstanding service to the communities and Amateur Radio. Larry, in turn, was presented a plaque and certificate of recognition of meritorious service for his many efforts in support of the ham community.

Our March meeting was a regular business meeting at the Meadows Restaurant in Franksville, Wisconsin, attended by 15 members and wives. After a fine meal, the Audit Committee reported that the annual audit of the chapter financial records found them to be in good order. Three members who are involved in teaching Amateur Radio classes each Thursday night for 12 weeks at the Lakeshore Counties Red Cross building reported attendance of 15 to 20 at each class. Larry McCalvy, WA9JMO reported that the chapter would again present Amateur Radio demonstrations at the Gifford School fifth grade camp-out on May 22, 23 and 24, 1995 at the campsite near Mukwonago, Wisconsin. The chapter now has an HF transceiver as well as the two-meter transceiver with antennas for both.

On April 23, 1995, the chapter held its 8th Anniversary party at the Meadows Restaurant in Franksville, attended by 21 members, wives and guests. A delicious meal was enjoyed by all, topped by dessert consisting of a specially decorated anniversary cake obtained by President Bill Komistra, W9OVZ. After the meal a program was presented by Joyce, XYL of Steve Bellgraph, K9ZL on her recent trip to Australia and New Zealand. This was followed by a presentation by Chuck Knotek,

W9GKM and XYL Marcie, describing their trip to Europe. The presentations were very interesting and resulted in many members getting itchy feet! A short business session resulted in approval of obtaining an HF antenna tuner and SWR bridge to go with the recently obtained HF rig.

Efforts are being made to schedule a joint meeting of all three Wisconsin QCWA chapters at Oshkosh, Wisconsin in August 1995.

Robert N. Jensen, WØWLN, Secretary/Treasurer

Chapter 165

The chapter held its 1st quarterly meeting on March 18, 1995 at the Stoney Brook Family Restaurant, York, Pennsylvania. President Carry Green, K3IIB, opened the meeting at 12:51 PM, after all in attendance had dinner. There were 11 members present.

Frank Bair, K3GDI, reported he had made reservations for the Hemlock Pavillion at Rudy State Park, where the next quarterly meeting will be held on June 17th. It was also decided to again visit the historical Electronics Museum at Linthicum, Maryland on September 16, 1995.

Elmer Hauer, W3IXU presented a scrapbook with articles and pictures of the York Amateur Radio Club, York VHF Club and members, taken over the last 50 years.

There was an average of 15 members checking into the Chapter 165 VHF Net.

Edward H. Kirby, Jr W3YQJ, Secretary-Treasurer

Chapter 166, Colonial

Our Tuesday Evening Net at 7:30 on 147.210 is getting more participation every week. We invite all who are eligible QCWA hams in the area to join in.

We are also experiencing an increase at our breakfast meetings held the second Tuesday of the month at the Villanova Family Restaurant. Time is 9 o'clock. Any QCWAers in the area are welcome to attend.

The committee for the annual picnic to be held August 30 is hard at work to make it another success. Our hosts, Bill Findlay, W3FEA and his lovely wife, Alice, provide the setting. Jim Faries, W3AOA, handles the food arrangements via an excellent catering service. The ladies really appreciate this.

Woody Sbei, W3TTW, is heading the nominating committee to get a slate of officers for 1996. Woody has a strong arm therefore we wind up with a good slate.

Tom Stewart, K3TS, has moved to Florida and said goodbye via a letter to the chapter. We will miss Tom and hope that he will join us when he returns to the area for a visit.

It is always sad to report a Silent Key. K3OJA, Walter S. Bardsley left us this month. To Elsie, his XYL, we send our heartfelt sympathy. Walt will be missed.

Hal Fox, W3AA, tells us he will be up from Florida for the picnic. If you are a local QCWA member, Chapter 166 invites you to join us. You will be glad you did. Contact W3IGW or W3TTW.

Charlie Stouth, W3ZPP

Chapter 168, Oregon Trail

The Oregon Trail Chapter held its first luncheon meeting of 1995 at the Old Country Buffet Restaurant in Portland on April 15, with President Bill Payne, K7TDO presiding. There were ten members and three guests in attendance.

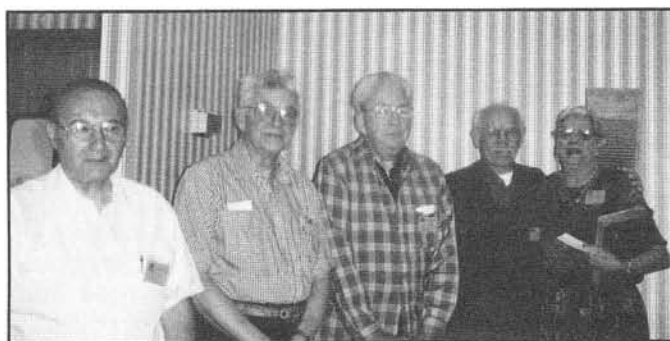
A short business meeting was held following the luncheon and the main order of business was the election of Chapter

officers for the coming year. The current President and Secretary/Treasurer were chosen to serve another term in office. The vacancy of Chapter Vice President office was filled by the selection of Bill Mehling, K7QBA. The two board member positions were filled by incumbent Hal Potter, K7RQ and newly selected Bill Blaumer, K7ZED. The members also voted upon a change in the Chapter by-laws whereas the annual business meeting will be moved from February to April each year.

The subject of Chapter membership cards was brought up and agreed upon to issue them in the future. The Secretary will meet with member Ron Mayer, K7BT, in the near future for the make-up and printing of the cards.

Four door prizes were given to the lucky ticket holders. One of these went to our guest in attendance, Roland West, K7MCK; other winners were W7MB, W7PFW and K7LNS. The door prizes were donated by our Chapter President, Bill, K7TDO.

Fred Behrman, K7LNS, Secretary/Treasurer



Installation of Chapter 173 Officers. Left to right: Tony Sagolla, WB3KSP, Treasurer; Harold Beaver, WØLYY, Secretary; Reid Martin, W4BP, Vice President; Roger Harper, W9JRY, President. Photos courtesy of Edith Elzroth, KN4JP.

Chapter 173, The Golden Triangle

On February 11, 1995 The Golden Triangle Chapter 173 celebrated the 5th anniversary of its founding. The celebration was held at the Country Kitchen in Leesburg, Florida with a luncheon meeting.

Marie Gathercole, who is the XYL of the First Vice President of the Chapter, performed the installation ceremony of the Chapter officers in honor of her late husband K1BI. The officers for 1995 are: Tony Sagolla, WB3KSP, Treasurer; Harold Beaver, WØLYB, Secretary; Reid Martin, W4BP, Vice President and Roger Harper, W9JRY, President. The group is shown with Marie performing the ceremony.

A highlight of the celebration was the presentation of QCWA Century Club certificates to two of our members. William Golding, K4GGF and Reid Martin, W4BP are the two senior members of the Chapter. Both of them are Charter members and very active in the chapter.

The chapter holds a Breakfast Meeting on the 2nd. Saturday each month at the Country Kitchen in Leesburg. All hams visiting in the area are invited to join us in fellowship.

Harold Beaver, WØLYB Secretary

Chapter 181, Hudson Valley

The Annual Meeting was held on April 22, 1995 at Ramada Inn, Armonk, NY. It was attended by 29 members and guests. The program followed a delightful luncheon.

We were honored with the presence of member Milt Chaffee, W1EFW, and his lovely XYL, Kate. Milt gave us an



Chapter 181 newly elected Officers, left to right: Stan Egelberg, W2WQK, Treasurer; Dick Robinson, W2OZA, President and Dick O'Brien, NJ2J, Secretary. Missing is Julian Heilbronner, WD2ADT, Vice President. Photo courtesy of W2OZA's XYL.

informative review of the recent national Board meeting. It is always a treat to have Milt join us.

Our speaker, Julian Hirsch, W2KFB, presented a very interesting account of how he converted a hobby into his life-time career. As a sideline during his early professional career, he started to measure and evaluate audio Hi-Fi components. After about ten years this became a full-time activity for Julian and one partner and has grown into an impressive business for Julian even today. He continues equipment measurement, evaluation and publication of results for a wide readership. His accounts of his relations with some of the big names in the audio field over the last 40 years were fascinating.

This being the Annual Meeting, officers and directors were elected for 1955. The officers are: Dick Robinson, W2OZA, President; Julian Heilbronner, WD2ADT, Vice President; Dick O'Brien, NJ2J, Secretary; and Stan Egelberg, W2WQK, Treasurer. The directors are: Manny Cohen, W2ILF; Bill Hellman, NA2M; Harry Moore, W2JQS; Jerry Mulberg, W2MJP; and Sy Yuter, W2NBT.

The tradition of our familiar treat, brief talks by members as to how they became hams, was amply supported this time by Justin Stenerson, KF2AC, and Bob Stang, W2MQ.

Harry Moore, W2JQS, upheld his reputation for producing stimulating prize award drawings. Following this, the meeting was adjourned.

Dick O'Brien, NJ2J, Secretary

Chapter 192, Puerto Rico

Our newly-formed chapter held an informal meeting during the Annual Convention of the Puerto Rico Amateur Radio League in Salinas, Puerto Rico. Application forms were distributed among attending League members who were interested in joining QCWA.

The chapter is in the process of drafting its Constitution and By-Laws and has plans to hold a formal meeting in July for its approval and for the election of a Board of Directors. In the meantime, chapter matters are being handled by Jose Toro, KP4RK, as President and Victor M. Madera, KP4PQ, as Secretary.

Chapter news and general QCWA information appear in "Eureka", the monthly bulletin published in Spanish by the PRARL. We all appreciate the full support and help we have received from the League in the affairs of our chapter.

Victor M. Madera, KP4PQ, Secretary

QCWA JOURNAL - SUMMER 1995

SILENT KEYS

With sadness we record the passing of these members.

NN1D, John W. Whitaker, #15738, Poultney, VT
 W1EXD, Edwin W. Hadley, #01950, Orrington, ME
 ND1U, Robert W. Woodtke, Sr, #26600, Meriden, CT
 W1WYM, Sidney D. Giber, #18115, Hudson, FL
 K1YXO, Norris B. Hamlin, #15191, Auburn, ME
 W2BNX, William C. Uzzell, #05579*, Charlottesville, VA
 W3AXA, J.H. Van Artsdalen, #02145*, Jacobus, PA
 W3CES, Alex H. Lindsay, #05027*, Freeport, PA
 W3KGN, Walter B. Lane, #06023, Gettysburg, PA
 W3RMQ, John F. Corkill, #07251, Adelphi, MD
 VE3UB, Eugene Herrington, #11195, Barrie, ON
 K4DBM, Blaude E. Belcher, #18728, Jacksonville, FL
 K4FTB, John D. McLane, #08891, Hendersonville, NC
 W4GFZ, Hans J. Kaufmann, #12661*, Columbia, SC
 K4JGP, Walter L. Gustavson, #20036*, Fort Myers, FL
 K4ILF, Louis J. Letendre, #14750, Hickory, NC
 W4LCG, Victor H. Bauer, #16396, Bradenton, FL
 W4LTR, Leland E. Campbell, #16532, Sarasota, FL
 AA4MF, Harold H. Grigsby, #04811, Largo, FL
 W4TAH, Eric G. Hogberg, #22221, Sarasota, FL
 W5DCS, John D. Vance, #07250*, Austin, TX
 AE5I, Oscar E. Smith, #17682, Abilene, TX
 K5ORD, John P. Hoice, #27118, Albuquerque, NM
 W5VJW, David I. Combs, #12199*, Wichita Falls, TX
 K6MF, Carl H. Berg, #06247*, Los Altos, CA
 W6SWX, H.L. Coleman, #02041, San Diego, CA
 W6WAH, D.C. Hildebrand, #05669, Sacramento, CA
 K6YD, Fred J. Gartzke, #07567, Santa Barbara, CA
 W6YY, John Knight, #01260, La Canada, CA
 KL7AGU, Dave A. Fulton, #10073, Anchorage, AK
 W7DB, Orval F. Hill, #05457, Butte, MT
 W7EAW, George E. Eitel, #22583, Prescott, AZ
 W7HGW, Robert W. Bryant, #14016, Wichita, KS
 K7QKG, Clifford O. Groff, #24671, Walla Walla, WA
 VE7QR, Russell T. Mack, #11607, Vancouver, BC
 W8ALB, John F. Stasiak, #00809, Westlake, OH
 W8DLA, Allen F. Prescott, #01046, Cape Coral, FL
 W8FWA, Russell Crawford, #10029, Royal Oak, MI
 W8GE, D.M. Bassett, #05899*, Dayton, OH
 W8JRN, Robert O. Wilson, #13011, Dayton, OH
 K8NCZ, Donald E. Head, #26500, Royalton, OH
 W8TYL, Walter A. Wehner, #04972*, Centerville, OH
 W8UU, Kenneth B. Houston, #01652, Englewood, OH
 W9CL, David O. Thompson, #05884, Indianapolis, IN
 W9GAH, Joseph H. Stevens, #09018, West Allis, WI
 K9NJR, Joseph H. Campbell, #17293*, Chicago, IL
 KØGJR, August J. Burkart, #19185, Scotts Bluff, NE
 KØWXO, James M. Vogel, #24916, Omaha, NE

*** indicates Life Member**

Please Note:

Before we can publish SK information we need an obituary notice, funeral notice or a note from a family member. Please send all information to QCWA Headquarters.

Members in the News



QCWA member Bill Orr, W6SAI, receives QCWA Presidential Award from Jack Troster, W6ISQ, at Chapter 11 May meeting. The Presidential award may be designated only by the President of QCWA for outstanding contributions to amateur radio.



Harry Watson, W5AXQ (left), and J.P. Brown, W5ITL, with their Century Club Certificates. They are members of Chapter 133, Magnolia.



87 year old Slaughter B. Reed, W4DXB, with his 60 Year Anniversary Award. He was licensed in 1935 and is still active, mostly on CW.



John Weber, KA2IXW, wearing a medal awarded recently by the Republic of France. "Chavalier dans l'Ordre des Arts et des Lettres" (Knight of the Order of Arts and Letters) is a principle decoration of the Republic of France and is seldom given to a foreigner. John received the award in recognition of his years of work in support of French art in the United States. He is a QCWA Life Member and a member of Chapter 46, Founders.

Advance Registration

1995 QCWA National Convention

Manchester, New Hampshire

October 13-14, 1995

**Hosted by Yankee Chapter 112, Pine Tree Chapter 134
Twin States Chapter 146, Nutmeg Chapter 149
and Pioneer Chapter 183**

**Center of New Hampshire Holiday Inn
Elm St., Route 3, Manchester, NH**

(75 rooms have been reserved at \$68, single or double. These rooms are not available through the 800 phone number so call 603-625-1000 or write the hotel direct, mentioning QCWA for the special rate. Cutoff date is September 20.)

Name....., **Call** **Spouse/Guest:**
Street address.....
City.....**State**.....**Zip**..... **Call**.....

Registration

QCWA Member.....\$10
Guest(s).....\$2

(Note: You must register to attend functions listed below.)

Saturday buffet breakfast.....\$11
Saturday banquet, Chicken Cordon Bleu.....\$21
T-bone steak, sauce Chasseur\$23.50
(cocktail hour 6:00 PM to 7:00 PM, cash bar)
Friday tour (foliage, luncheon, pines/mall).....\$27
Saturday tour (luncheon, seashore, historic Portsmouth).....\$27
Sunday special brunch.....\$15

Total\$.....

Make checks payable to Charles Walbridge, QCWA Convention Account. Mail this form and remittance to Charles Walbridge, K11GD, 6 LaClede Ave., Framingham, MA 01701. (For more information telephone 203-668-0845.)

Come to New England for QCWA's



1995 National Convention

October 13th-14th Manchester, New Hampshire

Five chapters of the Quarter Century Wireless Association join in inviting you to the 1995 National Convention scheduled for October 13th and 14th in the center of New England -- Manchester, New Hampshire. Highlights:

Forums: QCWA, for an exchange of views between the officers/directors and the membership, during a break in the actual Board meeting. ARRL, where Executive Vice President Dave Sumner, K1ZZ, will moderate.

Technical Presentations: ANTENNAS -- Lew McCoy, W1ICP, QCWA President, will impart his expertise on setting up your radiator for top performance, following on his new CQ-published antenna manual. BALUNS -- Make sure your rig's output gets transferred to the antenna with top efficiency. Expert Jerry Sevick, W2FMI, will show us how. PACKET - Not really as mysterious as it at first seems. Chuck Walbridge, K1IGD, will explain the essentials of this newest technique in ham communications. THE ITU -- Dick Baldwin, W1RU, president of the International Amateur Radio Union, will post us on how world radio conferences are affecting our bands.

Tours -- Come early and see the peak of colorful New England foliage. There'll be plenty of time for the ladies' shopping at modern malls (and no sales tax!). Tour capacities are limited, so reserve early to assure a seat. #1 -- Friday, a morning tour in modern coaches heads to southwestern New Hampshire and the Inn of East Hill farm for luncheon. The return journey includes a visit to the Cathedral of the Pines (Keene shopping mall instead, if inclement weather). #2 -- Saturday, tour the seashore area and historic Portsmouth, both after a delightful luncheon and scenic drives through the countryside.

And More -- Demonstrations of candle making, maple syrup production. A QCWW session. Opportunity to visit Cushcraft and watch ham antenna production. Our own W2MM in full operation (bring your license to operate.) Traditional singalong with Leo Meyerson, WØGFQ. Grand banquet Saturday with a speaker on unusual happenings at U.S. Customs & Immigration. All topped off with a mouth-watering Sunday special seafood brunch.

Reserve Now!! -- Use the adjacent form to register and assure banquet and breakfast attendance and tour seating. The Center of New Hampshire Holiday Inn has set aside 75 rooms at the special rate of \$68, single or double, deadline September 20; phone or write direct. CU there!!

Chapters on the Air

NO.	NAME	DAY	TIME	NET CTRL	FREQ
	QCWA CW	WED	2000E	VARIES	7035
	FLORIDA SSB	SAT	1300Z	W4NWF	3955
	QCWA SSB	SUN	2000Z	VARIES	14347
	FLORIDA SSB	WED	1500Z	W4NWF	7274
	NE REGIONAL	SUN	0845L	W2AUF	3917
1	CLEVELAND	WED	2000L	KB8ZBH	146.88
2	CHICAGO AREA	1TH	2130L	W9MOL	147.15
4	NORTHWEST	SUN	0830L	W7PN	3655
4	NORTHWEST	SUN	1200L	W7FNC	3952
4	NORTHWEST	SUN	1500L	K7FPT	3952
5	DELAWARE VALLEY	SUN	1000L	W2EEQ	3917
6	PITTSBURGH	SUN	0830L	W8CSU	147.03
7	SOUTHERN CALIF.	SUN	1000L	W6ZRZ	146.805
7	SOUTHERN CALIF.	SUN	1100L	K6BA	3695
8	UPPER MIDWEST	SAT	0800L	W0KHG	3877
9	SOUTHWEST OHIO	SUN	1330L	W8DWT	3987
10	MICHIGAN	SUN	0800L	VARIES	3903
11	NORTHERN CALIF.	SUN	0930L	WA6AFT	3907
11	NORTHERN CALIF.	SAT	1000L	WA6AFT	145.85
12	SOUTHEAST FL.	WED	2030L		146.76
14	SAN DIEGO	WED	2000L	K6QM	145.52
16	ARIZONA	SUN	0700L	W7ER	3890
17	ALLEN TOWN-BETH.	SUN	1015L	K3GOX	3990
19	MISSOURI	WED	1930L	KDØIR	147.15
20	BALTIMORE	MON	2100L	WA4GHU	147.285
21	CANTON OHIO	THU	1930L	K8UDO	146.79
25	NEBRASKA	TUE	1930L	WØHXL	147.06
25	NEBRASKA	SAT	1430Z	WØEUT	3983.5
28	CENTRAL	SUN	1030L	VARIES	3917
30	WEST VIRGINIA	SUN	1500L	VARIES	3865
31	READING	MON	2100L		146.91
32	GATOR	SAT	0900L	VARIES	145.29
33	GUNDERSON	DLY	2000L	W3APE	3982
35	MIDCONTINENT	THU	0830L		146.97
36	NORTHWEST IND.	THU	2000L	N9MRS	147.495
37	HARRISBURG	WED	2100L	K3IUY	147.12
38	SAN ANTONIO	SUN	2030L	W5HRF	28650
41	DALLAS	SUN	0715L	VARIES	3835
44	HOOVER DAM	MON	2000L	W9RU	145.39
45	CITRUS	TUE	2330L	WB4DRF	147.195
46	FOUNDER'S	THU	2030L	W2AUF	147.36
46	FOUNDER'S	SUN	0930L	W2AUF	3917
48	TREASURE COAST	DLY	1500Z		7153
49	ATLANTA	WED	2000L	K4VN	145.41
49	ATLANTA	SAT	0900L	K4VN	3857
51	TEX-LA	MON	1900L		146.70
52	MISSISSIPPI	THU	2030L		147.225
54	TYLER	MON	1930L	W5RRM	28.650
54	TYLER	SUN	0800L	W5CNO	3835
55	WISCONSIN	SUN	0830L		3985
58	COLORADO	SUN	0930L	VARIES	146.07
58	COLORADO	SUN	0900L	W9KRE	3905
60	EAST TENNESSEE	SAT	0730L	AA4WX	7233.3
61	DETROIT METRO	SUN	0800L	W8IHX	3663
62	SUWANNEE	SAT	0900L	W4PFJ	3940
63	CENTRAL OK	THU	1900L	W5HXL	145.41
63	CENTRAL OK	SUN	0800L	VARIES	3856
64	EL PASO	SAT	0830L	VARIES	3933
65	NIAGARA FRONTIER	SUN	1330L	W2NW	3900
70	NATIONAL CAPITAL	THU	2000L		147.03
73	SOUTHERN ONT.	SUN	1300L	VE3MO	7088
73	SOUTHERN ONT.	SUN	0900L	VE3DAR	3773
75	CENTRAL CAL. COAST	SAT	0800L	VARIES	3917
76	BLUE RIDGE	SAT	1300L		7180
77	NORTHERN NJ	THU	2000L		147.285
77	NORTHERN NJ	SUN	1300L	W2OJW	3917

79	SUNFLOWER	WED	2100L	VARIES	146.82
81	LONG ISLAND	FRI	2030L	K2YAW	147.33
81	LONG ISLAND	SUN	1130L	W2TLC	3917
84	FLORALA	MON	1930L	W4WKO	146.28
85	ARK-LA-TEX	MON	2100L	WA9PZL	146.67
87	EVERGREEN	SUN	1530Z	VARIES	3985
89	PALMETTO	SUN	1700L	N4LS	3695
89	PALMETTO STATE	SAT	0900L	W4DNR	3927
90	RAZORBACK	SUN	1300L	W5MYZ	7227
91	VIC CLARK	SUN	0900L	K4JAP	146.79
92	NORTHERN LIGHTS	THU	1900L	KL7CDG	3920
92	NORTHERN LIGHTS	SUN	2000L	KL7CDG	146.97
95	EASTERN NEW YORK	SUN	1130L	WB1M	3900
96	GATEWAY	SAT	1600Z	W2KGI	3933
102	DAKOTA	SUN	1400Z	VARIES	3889
104	TREASURE STATE	SAT	0900L	W7DB	3938
106	GERMAN	MON	1700Z	VARIES	3669
106	GERMAN	TUE	1730Z	VARIES	3555
107	CENTRAL FLORIDA	SAT	0900L	W4LHP	7243
107	CENTRAL FLORIDA	THU	1230L		14245
108	BEAVER STATE	WED	0800L	KM7T	3908
109	BATON ROUGE	SUN	2000L	VARIES	146.19
109	BATON ROUGE	SUN	0830L	VARIES	3905
110	KANSAS	SAT	0730L	KAØRZO	3920
112	YANKEE	SUN	0830L	K1JJJ 3	902
114	NORTH TEXAS	SAT	0830L	WA5BXH	3942
117	APPLESEED	SUN	2030L	W8JYY	147.36
118	COASTAL CAROLINA	SAT	0900L	W4EHF	3895
120	QCWW	TUE	1900Z	K4KUU	14295
122	LAKE ERIE TRI-STATE	SUN	0930L	W3QPP	3916
123	LEE DEFOREST	SAT	0730L	KØDBW	3892
126	PIEDMONT	SUN	0845L		3935
128	PELICAN	MWF	1600L	K9BSL	145.29
128	PELICAN	SAT	1000L	K9BSL	145.29
130	INLAND EMPIRE	SAT	0800L	AA6J	3862
130	INLAND EMPIRE	FRI	1600L	AA6J	3862
131	GULF COAST	TUE	0900L	WF4V	28750
134	PINE TREE	SUN	1430L	VARIES	3942
135	MID-MICHIGAN	TUE	2000L		146.70
136	AUSTRIA	WED	1700Z		3720
138	CENTRAL NJ	TUE	2200L		147.045
140	WYOMING	SAT	0800L	W7SQT	3923
141	HI-PLAINS	SAT	0900L	W5MVJ	3933
142	NORTHWEST OHIO	WED	2000L	W8CBA	145.58
143	NORTH COLORADO	SUN	0830L	VARIES	145.115
146	TWIN STATE	SUN	0830L	WA1NBI	3898
149	NUTMEG	SUN	1130L	W1KHL	3923
150	DEL-MAR-VA	SUN	0900L	K3PFW	146.82
151	WILD ROSE	MON	1900L		3747
152	ROYAL PALM	MWF	1300L	W4LZV	7220
152	ROYAL PALM	MWF	0800L	K4FA	14178
152	ROYAL PALM	T&T	1300L	W4LZV	14178
154	LEO MEYERSON	THU	1830L	W9VKC	145.480
157	PONY EXPRESS	SUN	0830L	WØGGP	3955
160	UTAH	SAT	1130L	VARIES	7272
162	SOUTHEAST WISC.	THU	2100L		147.27
164	BIG BEAR LAKE	SUN	1900L	VARIES	147.33
165	YORK COUNTY PE.	WED	2100L	W3AXC	146.97
166	COLONIAL	TUES	1930L	W3IGW	147.21
167	GOLD CST OF CAL.	WED	1930L	KI6YN	147.885
172	NEW ORLEANS	TUE	1900L		146.61
173	GOLDEN TRIANGLE	TUE	1930L	VARIES	147.255
174	WISC. BADGER	SUN	1600L		146.82
179	SOUTHERN ILL.	SUN	0800L		3925
181	HUDSON VALLEY	SUN	0815L	W2OZA	3917
181	HUDSON VALLEY	TUES	0830L	KF2AC	147.060
182	NORTHEAST TENN.	SUN	2100E	W4VS	147.00
183	PIONEER	SUN	1030L	W1ALL	3923
184	BAY AREA	SUN	1830L		146.64
191	MONTEREY BAY	TUES	2000L	VARIES	145.835
184	BAY AREA	SUN	1830L		146.64

QUARTER CENTURY WIRELESS ASSOCIATION, INC.

159 East 16th Ave., Eugene, OR 97401-4017

503-683-0987

Fax - 503-683-4181



This form for use by all U.S. applicants
for membership in QCWA.
Effective 6/1/95

For Office Use Only

Membership No. _____

Date _____

First Licensed, Year _____

Deposit Record _____

Have you been previously enrolled in QCWA? _____

I, _____, _____
(Please Print Name Clearly) Present Callsign _____

having been licensed as an amateur 25 or more years ago and presently holding the call listed above (it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA. I understand that proof of the original date of licensing is required. My complete mailing address is:

Street Address _____ City _____ State _____ Zip _____
I will keep QCWA Headquarters advised of changes in my address and/or callsign. My first amateur license was issued _____ Other calls held _____
I wish to become affiliated with QCWA Chapter _____
Date of birth _____ Birthplace _____
Present occupation/business _____
If retired, what was major life work? _____
Other organizations you belong to _____
Your signature _____

SCHEDULE OF MEMBERSHIP FEES

Select one of the following plans

	Members	Family	
QCWA dues for a one-year period	\$15		_____
QCWA dues for a two-year period	\$25		_____
QCWA dues for a three-year period	\$35	\$12	_____
QCWA life membership	\$300	\$90	_____
Payable in 3 equal installments of \$105 each, in a one-year period	\$315	\$105 (3 payments of \$35)	_____

Initial registration fee, all new members - \$3

Gold membership pins are available, your call engraved, no year tags. Check type of fastener.

Tie tack _____, Screw button _____, Safety pin _____, ----- \$10 each _____

Year tag pins - 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 (tie-tac only) - \$15 each _____

Total _____

Proposed by _____, **Callsign** _____, **No.** _____

New Members

DATE	Number	NAME	CALL	CITY	STATE	SPONSOR
03/20/95	27295	MC CONNELL, RICHARD	KA7IAY	YAKIMA	WA	F. RIEMENSCHNEIDER, K7MGA
03/20/95	27296	CASEY-MILLER, PATTI	WA7GVV	YAKIMA	WA	F. RIEMENSCHNEIDER, K7MGA
03/20/95	27297	ABBRUSCATO, JOHN	KC5GB	SPRING	TX	
03/20/95	27298	BREIDENSTEIN, CHARLES M	K2AOA	BUFFALO	NY	
03/20/95	27299	BUTLER, THOMAS A	AC4IR	LAKE MARY	FL	
03/20/95	27300	CUSTER, RICHARD L P	K3KDP	SHELDONVILLE	MA	CHARLES E WALBRIDGE, K1IGD
03/20/95	27301	FORTE, JIM	KK9T	NEW CARLISLE	IN	
03/20/95	27302	HENRY, DANA A	A18W	STRONGSVILLE	OH	ROCKY ZIMMERMAN, W8UYN
03/20/95	27303	HENZLER, GEORGE E	WB8HHZ	TOLEDO	OH	A M COOPER, W8BHL
03/20/95	27304	HILL, VERNON J	W4DZI	VIENNA	VA	LELAND W SMITH JR, W4YE
03/20/95	27305	JENSEN, ANDREW M	N5IA	DUNCAN	AZ	GEORGE T DAUGHTERS, AB6YL
03/20/95	27306	JONES, MORTON W	W6KLG	RAMOND	CA	BART SUSMAN, K6UNR
03/21/95	27307	KARANGELLEN, NICHOLAS JR	WA4OAE	NORFOLK	VA	JIM WISE, W4PRO
03/21/95	27308	KOLMER, JOSEPH R	N3TQJ	COLUMBUS	OH	
03/21/95	27309	MARSH, HARRY H	W6TFQ	FRESNO	CA	BOB TAUXE, W6JTA
03/21/95	27310	MARTIN, FLOYD E	W4RW	STERLING	VA	LELAND S SMITH JR, W4YE
03/21/95	27311	MC ADAMS, HERBERT D JR	KB5RRL	GROVES	TX	
03/22/95	27312	MC CLAIN, HALFORD J	KD5MR	CLEVELAND	TX	
03/22/95	27313	MORRISON, JACK R	WAØRZN	LOVELAND	CO	
03/22/95	27314	NIEMCZYK, HENRY J	W2ZZE	LONG ISLAND	NY	KATE SAUL, AE2Z
03/22/95	27315	PETERSON, ROBERT L	NØAFR	FLAGLER	CO	
03/22/95	27316	RISINGER, RICK	KK5JV	CYPRESS	TX	
03/22/95	27317	RAVENS, FRED J JR	K1QLG	E FALMOUTH	MA	ERNIE BOSSELMAN, W1DO
03/22/95	27318	RIVIERE, RONALD J	WB5CXJ	LACOMBE	LA	NORMAN R LANDRY, W5VUH
03/22/95	27319	RIVIERE, TERESA M	WB5CXX	LACOMBE	LA	NORMAN R LANDRY, W5VUH
03/22/95	27320	SIMMONS, DON	K6BRB	CARMEL	CA	ROB BROWNSTEIN, NS6V
03/22/95	27321	STATTON, WALTER H	WA7KNK	CARSON CITY	NV	W REID, W7HOP
03/22/95	27322	STRODE, CARL R	WA7QJY	PASCO	WA	WILLIAM MORRIS, WA5MUF
03/22/95	27323	TRIPP, BOB E	W5MM	DALLAS	TX	W T WIEDERHOLD, W5OGZ
03/22/95	27324	WATSON, TOM	VE3CYL	BURLINGTON	ON	LES GARTSHORE, VE3OL
03/22/95	27325	UTHUS, RONALD O	N4MO	VIENNA	VA	CARLETON GRAY, W4ACM
03/22/95	27326	SPENCER, MOFFETT H	WA4ORE	ROXBORO	NC	FRANKLIN GREEN, KQ4ZU
03/23/95	27327	BONEY, RODNEY J	N5FSG	ECTOR	TX	HERBERT T WILEY, W5CT
03/23/95	27328	BONEY, EARNEST O	K5MCH	RAVENNA	TX	HERBERT T WILEY, W5CT
03/23/95	27329	BONDY, NOVA M	WB5CWQ	RAVENNA	TX	HERBERT T WILEY, W5CT
03/23/95	27330	GURKE, JOHN L	W5OXC	COLLINSVILLE	TX	HERBERT T WILEY, W5CT
03/23/95	27331	GUZICK, MORRIS	W5IO	SHERMAN	TX	HERBERT T WILEY, W5CT
03/23/95	27332	JOHNSTON, GEORGE	K5KRV	SHERMAN	TX	HERBERT T WILEY, W5CT
03/23/95	27333	JONES, CRESWELL C	W5ENQ	HOWE	TX	HERBERT T WILEY, W5CT
03/23/95	27334	MILLER, CECIL	W5IDZ	SHERMAN	TX	HERBERT T WILEY, W5CT
03/23/95	27335	MOODY, JOHN	W5RVT	SHERMAN	TX	HERBERT T WILEY, W5CT
03/23/95	27336	SHOLL, ROBERT D	W5SDA	DENISON	TX	HERBERT T WILEY, W5CT
03/24/95	27337	GRINDROD, DENNIS A SR	WA1EHF	SEYMOUR	CT	
03/24/95	27338	HINKLE, CHARLES W	W8CFO	PIONEER	OH	BOB TAYLOR, W8CBA
03/24/95	27339	KATZ, JULES	KK6TR	BASS LAKE	CA	ROBERT W TAUXE, W6JTA
03/24/95	27340	MORGAN, BUDDY	WB4OMG	TREASURE ISLD	FL	DAVE STOCKY, K4KE
03/24/95	27341	PACE, MARLIN A	WAØSJH	KANSAS CITY	KS	GARY HARRISON, WAØRWS
03/24/95	27342	ALDERMAN, MAINES H	K4JUZ	SHALIMAR	FL	JOHN ZWASKA, W4WKQ
03/24/95	27343	GOALEN, JAMES W	WA4SSB	NAVARRE	FL	JOHN ZWASKA, W4WKQ
03/24/95	27344	KING, ROBERT J	KDØMV	EDINA	MN	JOHN ZWASKA, W4WKQ
03/24/95	27345	HAMILTON, DAN H JR	W1AEQ	CHARLESTON	SC	BRYCE N MYERS, K4LXF
03/24/95	27346	LOWMAN, ROBERT W	N4CBO	FLORENCE	SC	ROBERT K HARMON, KC4UTX
03/24/95	27347	WATKINS, JIM R	W4IZV	CHARLESTON	SC	BRYCE N MYERS, K4LXF
04/03/95	27348	MC KNIGHT, JAMES R	KG7XK	TUCSON	AZ	
04/03/95	27349	WHITE, DAVID C	WA8KAN	PARKERSBURG	WV	
04/04/95	27350	BAKER, MARVIN G	W9KGE	INDIANAPOLIS	IN	
04/04/95	27351	CLANTON, NORMAN G	KA1SG	BETHEL	ME	PAUL ALBERGHINI, WA1KAH

DATE	Number	NAME	CALL	CITY	STATE	SPONSOR
04/04/95	27352	FASICK, HARRY	K3EYL	WYLIE	TX	LARRY HERRING, WR3J
04/04/95	27353	FAUNT, DOUG	N6TQS	OKLAND	CA	GERALD MORRIS, AC6GF
04/04/95	27354	PHILLIP, RICHARD M	W1TAP	DANVILLE	PA	DAVE PAVEL, AE7B
04/04/95	27355	WALTON, PETER C	VA3PW	ANCASTER	ON	FRED HAMMOND, VE3HC
04/04/95	27356	WILBUR, ALFRED H	KA1CXE	ROSWELL	NM	ART DE VINNEY, W2RRY
04/06/95	27357	LYLE, GEORGE V	K7ZAU	CARSON CITY	NV	W REID ROSS, W7HOP
04/07/95	27358	COOK, JAMES M	WØOXX	OLATHE	KS	
04/07/95	27359	HAWKINS, JEFFREY D	WA5RRT	DENHAM SPGS	LA	GEORGE D. GELPI, K5RGI
04/07/98	27360	KONDAS, JOSEPHINE	WB2EKV	KEARNY	NJ	
04/07/95	27361	MORTENSEN, LEO E	WA7KAJ	OREM	UT	JOSEPH HIGGINS, N7BHZ
04/07/95	27362	SOWLE, BILL P	K6ZZA	YREKA	CA	
04/07/95	27363	VANDERVOORT, CLYDE C	WB8GKB	CARLETON	MI	PAUL L SPOONER, W8YM
04/10/95	27364	BULLOCK, SCOTT	WA4EIH	BRISTOL	VA	W A OWEN, W4VS
04/10/95	27365	GRAHAM, HUGH W	AG6X	UPLAND	CA	
04/10/95	27366	KIRK, WILLIAM H	W6RQQ	SAN DIEGO	CA	
04/11/95	27367	COX, JAMES L	KE6OZ	VALLEY SPGS	CA	LEN YERGER, K6SS
04/11/95	27369	LEGRAND, CHARLES C	AH6CS	KANEOHE	HI	
04/11/95	27369	MARTIN, LON	KFØPA	SHAWNEE	KS	GARY HARRISON, WAØRWS
04/11/95	27370	PETH, EDWIN E	AA8RW	LA SALLE	MI	
04/11/95	27371	PURDY, RONALD	VE3GAN	THOROLD,	ON	
04/12/95	27372	BRIDGES, MICHAEL L	K6EHA	EL MONTE	CA	
04/12/95	27373	BRUCE, CLARENCE M	KC7EY	SALEM	OR	
04/12/95	27374	JOSEPH, DAVID G	WA6BOY	SAN JOSE	CA	
04/12/95	27375	REYNOLDS, JOHN	WB5CIQ	BATON ROUGE	LA	EL CHARLTON, W5MD
04/12/95	27376	RUTH, LEO W	W6CNN	WATSONVILLE	CA	ELLIOTT M SPERLING, KB3LY
04/12/95	27377	WALKER, CHARLES G	W6WUG	RIVERSIDE	CA	ARLO K MYERS, WA6UDR
04/13/95	27378	EFFA, JAMES F	W9FXA	ARLINGTON HTS	IL	JOHN B TRACY JR, W4BC
04/13/95	27379	HAGEN, ISAAC	W8GVS	NORTHPORT	MI	PAUL L SPOONER, W8YMI
04/13/95	27380	PETSCHER, RICHARD L	W8BNT	EUCLID	OH	ROCKY ZIMMERMAN, W8OYN
04/13/95	27381	JONS, MARVIN C	W5WYZ	GROVES	TX	CURTIS W EVANS, WA5DBA
04/13/95	27382	BOTTALICO, CHRISTOPHER	WA6TDX	WHITTIER	CA	
04/13/95	27383	CHRISTIAN, CALVIN B	W4WRJ	BRISTOL	VA	W A OWEN, W4VS
04/13/95	27384	GROSS, AL	W8PAL	YOUNGTOWN	AZ	
04/14/95	27385	WOODALL, HARRY M	KJ6BR	COARSEGOLD	CA	ROBERT W TAUXE, W6JTA
04/14/95	27386	QUINN, WILLIAM F	K1SCP	STERLING	MA	LARRY CARON, W1VPH
04/14/95	27387	TESSLER, JEROME S	W2GIA	CHERRY HILL	NJ	DON FIELD, W2VQE
04/17/95	27388	BAILEY, CLINTON M	KC4PXK	ORLANDO	FL	
04/17/95	27389	BOWKER, JOHN D	WA2WEN	SUN CITY CTR	FL	LEONARD WITKOWSKI, K1QPJ
04/17/95	27390	GATES, EUGENE S	W7WQG	MINA	NV	W REID ROSS, W7HOP
04/17/95	27391	VAN CONEY, RAYMOND T	WA8ACW	CINCINNATI	OH	
04/17/95	27392	GREGORY, COLIN	KC7ESM	MC MINNVILLE	OR	
04/17/95	27393	LACHELLE, JACK C	WA6TMD	LINCOLN CITY	OR	CARL SCHMAUDER, K7EWG
04/17/95	27394	LEATH, COLIN	K1IXU	JOHNSTON	RI	DAVE PAVEL, AE7B
04/17/95	27395	MAC PHAIL, J GORDON	VE3IH	GUELPH	ON	FRED HAMMOND, VE3HC
04/18/95	27396	DAVISON, CHARLES H	K2DOV	HIGHTSTOWN	NJ	DON FIELD, W2VAE
04/18/95	27397	EMANUEL, THEODORE F	AC6IC	SPRINGVILLE	CA	
04/18/95	27398	HUG, JOHN H	WA7NQL	BOISE	ID	JOSEPH HIGGINS, N7BHZ
04/18/95	27399	VON ACHEN, HARRY R	WA6PMD	OCALA	FL	BOB SAULPAUGH, AG3S
04/18/95	27400	WARD, WILLIAM	W4PCK	POTTSBORO	TX	D BABIN, K5KQG
04/18/95	27401	LANOUE, RUSSELL R	W1KJD	MARSTONS MILLS	MA	
04/19/95	27402	BAUER, FRANCIS C	WA7KEF	TUCSON	AZ	
04/19/95	27403	FERGUSON, JAMES A	N8DZA	ALLIANCE	OH	DAVE GLASS, W8UKQ
04/19/95	27404	MILLER, JAMES A	N8ZND	EAST LANSING	MI	JOHN HEWITT, K8DHN
04/19/95	27405	JEWITT, HAROLD S	KG7HK	BREMERTON	WA	
04/19/95	27406	CABRAL, LLOYD J	AA6T	APTOS	CA	
04/19/95	27407	HALE, RITA K	W1UZR	SUN CITY CTR	FL	LORRAINE WITKOWSKI, WA1EDR
04/19/95	27408	MORRISON, CHARLES N	KD6TC	ONTARIO	CA	
04/20/95	27409	TOTH, JAMES D	K3CHJ	POTTSTOWN	PA	TOM JONES, W3BED
04/20/95	27410	ELROD, PHILIP V	K4COF	SUMNER	GA	
04/20/95	27411	GORDY, EMORY JR	W4WRO	DALLAS	GA	
04/20/95	27412	BRASWELL, JOE M	AC4YK	SMYRNA	GA	

New Members, continued

DATE	Number	NAME	CALL	CITY	STATE	SPONSOR
04/20/95	27414	DOWDELL, FELIX L	KD4EHG	DULUTH	GA	
04/20/95	27415	FOOS, DOUGLAS A	WB8GHI	KENNESAW	GA	
04/20/95	27416	GOULD, HOWARD P	W4NVF	LILBURN	GA	
04/20/95	27417	LUFF, ROBERT A	W3GAC	DULUTH	GA	
04/20/95	27418	TODD, RON	KE4RZR	FOREST PARK	GA	
04/21/95	27419	SCHILLER, THOMAS H	N6BT	LOS ALTOS	CA	JOHN G TROSTER, W6ISQ
04/21/95	27420	DRIVER, BEN M	N8JUD	MAUMEE	OH	BOB TAYLOR, W8CBA
04/21/95	27421	GILES, ROBERT D	KC7FWN	LAVEEN	AZ	
04/21/95	27422	MC CARTY, ROGER A	KD6CC	RIVERSIDE	CA	ARLO K MYERS, WA6UDR
04/21/95	27423	ZDAN, BRIAN	KMØY	OMAHA	NE	ROBERT ATWOOD, KØIXY
04/21/95	27424	HERMAN, JOHN	K9WMD	BLOOMINGTON	IL	LARRY M KEERAN, K9ORP
04/21/95	27425	LENHARDT, GARY	K9CYW	NORMAL	IL	LARRY M KERAN, K9ORP
04/24/95	27426	BOEHM, DONALD W	KØKKH	MERRILL	IA	JOHN BYLIN, KØAAR
04/24/95	27427	BRAUN, HAROLD J	VE3DWH	WATERLOO	ON	TED BODMAN, VE3CD
04/24/95	27428	COPPING, RUSS W	KC5HWR	COVINGTON	LA	
04/25/95	27429	BAKER, MARVIN L	WA7IRA	RIGBY	ID	KEITH ANDERSON, W7LQU
04/25/95	27430	DUNN, ROBERT E	VE3ATK	WOODSTOCK	ON	FRED HAMMOND, VE3HC
04/25/95	27431	POPOWITCH, DARYL G	N8AID	ARLINGTON HTS	IL	
04/27/95	27432	HAMPTON, J ARCHIE	AC4GO	DECATUR	AL	CHARLES C RUPP, W4HIY
04/27/95	27433	O'REILLY, EDWARD J	WA2RAP	SUN CITY CTR	FL	LORRAINE WITKOWSKI, WA1EDR
04/27/95	27434	RATCLIFF, WALTER A	KC5KPN	ALBUQUERQUE	NM	
04/28/95	27435	BUTTON, DONALD D	AJ1T	DULUTH	GA	
04/28/95	27436	SUNDERLAND, JAMES C	VE2CB	ILE BIZARD	PQ	FRED HAMMOND, VE3HC
04/28/95	27437	GOOD, RAY III	AA9F	OAK PARK	IL	
05/01/95	27438	DANCY, ROY W	N4AN	DOTHAN	AL	JOHN G TROSTER, W6ISQ
05/01/95	27439	CHATELAIN, RICHARD	AB6ZV	SAN JOSE	CA	JOHN EDEL, K8LBZ
05/01/95	27440	GRIFFITH, GAVIN	KB7KX	DITTMER	MO	JOHN EDEL, K8LBZ
05/01/95	27441	LAVEVOR, DELMAR	WB8FYR	SANFORD	MI	JOHN EDEL, K8LBZ
05/01/95	27442	PRYOR, WILLIAM F	WB8KMX	DAYTON	OH	JAMES C CURRIE, N8PVY
05/01/95	27443	ROMAIN, STEWART	KF4WC	CARROLLTON	GA	JOHN EDEL, K8LBZ
05/01/95	27444	BRAWLEY, ALBERT E	K5HOK	SUN CITY CTR	FL	LORRAINE WITKOWSKI, WA1EDR
05/01/95	27445	BRENNA, LAWRENCE R	KB6JT	WOODLAND HLS	CA	
05/01/95	27446	MELCHER, ALTON R	W6YQB	FREMONT	CA	
05/01/95	27447	SWENSON, RAY M	KE4PGD	SUN CITY CTR	FL	LORRAINE WITKOWSKI, WA1EDR
05/01/95	27448	ZADOR, GEORGE J	VE3DSG	MISSISSAUGA	ON	FRED HAMMOND, VE3HC
05/02/95	27449	ASHLEY, CARL T	AA4A	MARSHFIELD	MA	JOHN EDEL, K8LBZ
05/02/95	27450	BRANCA, STEPHEN P	K2SB	HINELLA	NJ	JOHN D IMHOF, N2VW
05/02/95	27451	CHEPONIS, MIKE	K3MC	SANTA CLARA	CA	JOHN EDEL, K8LBZ
05/02/95	27452	EDGER, DAVID N	AA5NU	CENTREVILLE	VA	GARY HARRISON, WAØRWS
05/02/95	27453	EISINGER, WILLIAM G	AA7X	HAILEY	ID	JOHN EDEL, K8LBZ
05/02/95	27454	GALISPEAU, JOSEPH E JR	WA1LRL	BRIGHTON	MI	GARY HARRISON, WAØRWS
05/02/95	27455	GLEIM, WAYNE A	WA8JCU	COLUMBUS	OH	JOHN EDEL, K8LBZ
05/02/95	27456	GOENS, BURTON K	W8KB	TROY	OH	JOHN EDEL, K8LBZ
05/02/95	27456	GOENS, BURTON K	W8KB	TROY	OH	JOHN EDEL, K8LBZ
05/02/95	27457	HAVLICEK, DON	N8DE	CONNERSVILLE	IN	JOHN EDEL, K8LBZ
05/02/95	27458	KAUFMAN, HOWARD	WJ3F	GAITHERSBURG	MD	GARY HARRISON, WAØRWS
05/02/95	27459	RYMES, ERVIN D	K7KFU	MOSCOW	ID	BOB ALDRICH, WU7J
05/02/95	27460	UTSCHIG, JOSEPH H	KM6EK	LA JOLLA	CA	ROBERT H UTSCHIG, K6QJP
05/03/95	27461	ROCKHOLD, D BRIAN	KS8W	WEST MANSFIELD	OH	JOHN EDEL, K8LBZ
05/03/95	27462	SAARI, KEITH	K8YKD	TEMPERANCE	MI	GARY HARRISON, WAØRWS
05/03/95	27463	SHEPARD, DAVID L	K3DTU	EDGEWATER	FL	GARY HARRISON, WAØRWS
05/03/95	27464	TEMPLES, PHILLIP E	K9HI	WATERTOWN	MA	JOHN EDEL, K8LBZ
05/03/95	27465	PARKS, JAY	N8MEY	CINCINNATI	OH	JOHN EDEL, K8LBZ
05/03/95	27466	POLLO, STEVE	K8SP	LANSING	MI	JOHN EDEL, K8LBZ
05/03/95	27467	LEEDHAM, JAMES A	NØHXA	OMAHA	NE	JOHN W FERREL, WØYDV
05/04/95	27468	ANTHONY, MARK	WE9D	LAKE MARIAN	IL	GARY HARRISON, WAØRWS
05/04/95	27469	BARRETT, LEE	K7NM	LAS VEGAS	NV	JOHN EDEL, K8LBZ
05/04/95	27470	BERNARD, ROGER D	W8WMQ	WILMINGTON	OH	JOHN EDEL, K8LBZ

DATE	Number	NAME	CALL	CITY	STATE	SPONSOR
05/04/95	27471	CAMPBELL, GREG	WB6ASR	CUPERTINO	CA	JOHN EDEL, K8LBZ
05/04/95	27472	CARSTENSEN, RICH	W8VK	TROY	OH	JOHN EDEL, K8LBZ
05/04/95	27473	COOPER, RONALD P	WB9DKL	INDIANAPOLIS	IN	JOHN EDEL, K8LBZ
05/04/95	27474	CRITELLI, NICK	KØPCG	DES MOINES	IA	JOHN EDEL, K8LBZ
05/04/95	27475	DUNN, ROBERT L	WA5WJZ	NEW ORLEANS	LA	JOHN EDEL, K8LBZ
05/04/95	27476	GLASSBERG, JOHN M	NEØE	AVENTURA	FL	
05/04/95	27477	HOVEY, HARRY H	WF2B	TROY	NY	JOHN EDEL, K8LBZ
05/04/95	27478	HUDSON, TERRY B	KT9V	SOLSBERRY	IN	JOHN EDEL, K8LBZ
05/04/95	27479	MANN, BOB	W8LHP	GALIEN	MI	GARY HARRISON, WAØRWS
05/04/95	27480	MORLAN, MARCUS	NZ8P	E LIVERPOOL	OH	JOHN EDEL, K8LBZ
05/04/95	27481	NALL, RICHARD J	N4FXC	LOUISVILLE	KY	JOHN EDEL, K8LBZ
05/04/95	27482	NOVAK, JOSEPH T	KB8VF	STEVENSVILLE	MI	JOHN EDEL, K8LBZ
05/04/95	27483	TYRRELL, RAYMOND G	N6MY	CARSON CITY	NV	
05/05/95	27484	PERLICK, JOHN	WBØADO	BROOKLYN PARK	MN	JOHN EDEL, K8LBZ
05/05/95	27485	PETTUS, MIKE	WD6E	APTOS	CA	JOHN EDEL, K8LBZ
05/05/95	27486	PITTS, GARY S	AA4DO	MT JULIET	TN	JOHN EDEL, K8LBZ
05/05/95	27487	SMITH, STEVEN R	WB9QAA	FRANKFORT	IN	JOHN EDEL, K8LBZ
05/05/95	27488	WEBB, LOVELL	N8LW	CHARLESTON	WV	JOHN EDEL, K8LBZ
05/05/95	27489	WHITMAN, EDWARD A	K2MFY	PLAINVIEW	NY	JOHN EDEL, K8LBZ
05/05/95	27490	BLACK, MERWICK J	KO6IX	SEABROOK	TX	TOM O'BRIEN, AB5XZ
05/08/95	27491	CHIRONE, MARIO L	W6DUB	LOS ALTOS	CA	ERIC B EDBERG, W6DU
05/08/95	27492	DABAY, DAVID M	KD3PC	DUBLIN	VA	
05/09/95	27493	BENNETT, JON	W5BQ	RICHMOND	VA	HARRY J DANNALS, W2HD
05/09/95	27494	CAMMARATA, ALFRED J	W3AWU	FAIRVAX	VA	
05/09/95	27495	GRIGG, RANDOLPH W	WB4KZI	MECHANICSVILLE	VA	JIM WISE, W4PRO
05/09/95	27496	JENKINS, ED	WB9EBJ	CLARENDON HLS	IL	ERV HEIMBUCK, KØOTZ
05/09/95	27497	SCHMIDT, HAROLD E	K2JYK	WESTMINSTER	CO	
05/09/95	27498	SKETT, GARY W	VE7GWS	SURREY	BC	ERNIE SAVAGE, VE7FB
05/09/95	27499	WILHITE, CHARLES R	K5NK	OKLAHOMA CTY	OK	
05/10/95	27500	BRADLEY, ROBERT L	W7LKM	CENTERVILLE	UT	DOUGLAS BUTLER, W7FSC
05/11/95	27501	PFEIFFER, JURGEN	DJ9AL	REDNITCHEMBACH,GER		H J HAUTSCH DL1JOE
05/11/95	27502	CUMMING, ROBERT B	W2BZY	LONGWOOD	FL	
05/11/95	27503	GRIFFITH, O'DALE K JR	W8RRV	MISSION VIEJO	CA	JAMES H ROACH, KD6VWK
05/11/95	27504	HALL, JEAN S	WA8OXL	SUN CITY CTR	FL	LORRAINE WITKOWSKI,WA1EDR
05/11/95	27505	KEATING, JOHN J	WA2FVL	UNION BEACH	NJ	BOB BUUS, W2OD
05/11/95	27506	LAUER, MICHAEL H	WB6IRN	SHERMAN OAKS	CA	
05/12/95	27507	PARKE, JOSEPH F	WA2RBJ	ORMOND BEACH	FL	
05/15/95	27508	CROTINGER, ROBERT M	K6PC	PRESCOTT	AZ	HOWARD MYERS, W7ILW
05/15/95	27509	HAXTON, RICHARD I	KC3AN	BURGESS	VA	
05/15/95	27510	HAXTON, PHYLLIS M	N4VZC	BURGESS	VA	
05/15/95	27511	SELTZER, ARTHUR J	K2ACD	SUN CITY CTR	FL	LORRAINE WITKOWSKI,WA1EDR
05/15/95	27512	SIKES, EUGENE E	KS4SD	SUN CITY CTR	FL	LORRAINE WITKOWSKI,WA1EDR
05/15/95	27513	BURCHFIELD, BURDON E JR	KO6DW	WEED	CA	CAROLYN BROOKS, AB7ET
05/16/95	27514	SHERK, KENNETH I	VE3CGI	AGINCOURT	ON	FRED HAMMOND, VE3HC
05/16/95	27515	CARROLL, RICHARD S	WØEX	WILLOW SPRINGS	MO	
05/16/95	27516	WHEELER, EDWIN F	K4ADD	POMPANO BEACH	FL	
05/18/95	27517	CASSIDY, HUGH	WA6AUD	SAN RAFAEL	CA	JOHN G TROSTER, W6ISQ
05/19/95	27518	HENDRICKS, JOHN N	KB6AL	ONAWA	IA	
05/19/95	27519	THOMPSON, JAMES B	VE3BCA	VINELAND	ON	A G SPENCER, VE3AGS
05/19/95	27520	WOOD, EARL E	WA5YRP	EL PASO	TX	WILLIAM RAUE, K5KKO
05/19/95	27521	YACKEY, ALLAN	WB9PKM	DANVILLE	IN	BOB MC DOW, W4KOG
05/22/95	27522	BRAGDON, KENNETH D	K4BHL	LAS CRUCES	NM	W DEAN FIGGINS, WA7EPU
05/22/95	27523	MILLER, CHRISTOPHER W	NE5V	DENVER	TX	BILL SANDEFER, ND5C
05/22/95	27524	RYBAK, JAMES P	WØKSD	GRAND JCTN	CO	RICHARD A STALLS, K4KYO
05/22/95	27525	BEAN, FRED W	W1YTQ	BREWER	ME	PHILIP M YOUNG, W1JTH
05/22/95	27526	BUSWELL, JOSEPH G	K5JB	MIDWEST CITY	OK	
05/22/95	27527	ENOCHS, MELVIN M	KE6DN	SARATOGA	CA	RICHARD A STALLS, K4KYO
05/22/95	27528	LIEN, JESSE R	W6JJM	WILSONVILLE	OR	ROB BROWNSTEIN, NS6V
05/22/95	27529	RIHN, JIM	WA3LBR	PITTSBURGH	PA	

HBR-16 Receiver

by Gerry Higgins, W9INP, P.O. Box 5345, Carefree, AZ 85377

The idea of building a ham band receiver sounds utterly impossible to the average ham. (I'm going to put myself in this category although I may not qualify!) The thought had never crossed my mind until my neighbor, Harry Snyder, WØRN, said he had a collection of parts he wanted to sell. The "collection" turned out to be nearly all the parts necessary to build the HBR-16 receiver along with an October 1959 issue of QST magazine. The HBR-16 was featured in an article by Ted Crosby, W6TC, in the October 1959 issue. I think Ted is now a Silent Key, but his excellent article made the project sound possible for the average ham. In 1961 a ham in California had bought most of the ingredients, but for some unknown reason had never started construction. Harry and I quickly negotiated a deal and I began an inventory to see what I had gotten myself into.

The cabinet was in excellent condition and stuffed with the national SCN dial, IF transformers, variable capacitors, power and output transformers, chokes, coil forms, S-meter and even knobs (which later turned out to be too large). The first thing obviously missing was the 10 X 14 X 3 chassis. Fortunately Lloyd, KAØHPJ, in Lakewood, Colorado, had one (still in the original wrapping paper) and donated it to the project. Most of the remaining parts, except crystals, were easily obtained. After much vocal advertising the 3500KC and 1700KC crystals was purchased.

The layout and construction was pretty well detailed in Ted's QST article, but the coil winding sounded difficult. I decided to start with the coils and if that went OK it should seem "easy" from there on.

Three coils are required for each band, 3.5MC, 7MC, 14MC, 21MC and 28MC, and since the coil forms were there, an additional three were made for 14-18MC for WWV and possible converter input. That makes eighteen plug-in coils. Each coil has an APC type variable capacitor with fixed padders across the secondary. Number 22 and 26 enameled wire is used with a tap on the secondary of each coil to the main tuning condenser. Cleaning the enamel from the wire to solder the tap or pins while keeping the windings tight and not melting the plastic form proved to be a challenge. Counting the turns required total concentration because with wire that small it's almost impossible to count them later. A "wrap around" was used to measure where to drill the holes for taps and for the beginning and end of each section. The first IF transformer (1600 KC) was made with two pieces of 1/2" PVC pipe, each with 90 turns of #32 enameled wire link coupled with shielded cable, 8 turns on each end. That completed the coil winding - thank goodness!

Maybe a brief description of the HBR-16 is in order at this point. The HBR stands for "ham band receiver", but can be also interpreted as "home built receiver". The "16" is the number of vacuum tubes used. The HBR-16 is an improved version of the HBR-14 that Ted, W6TC, introduced in the July 1957 issue of QST. Both were double conversion receivers. The HF oscillator operates on its fundamental frequency on 80M and 40M bands approximately 1600KC higher than the received signal. On the 10M, 15M and 20M bands the HF oscillator not only operates on the low side of the incoming signal, but the



HBR-16 receiver with plug-in coils.

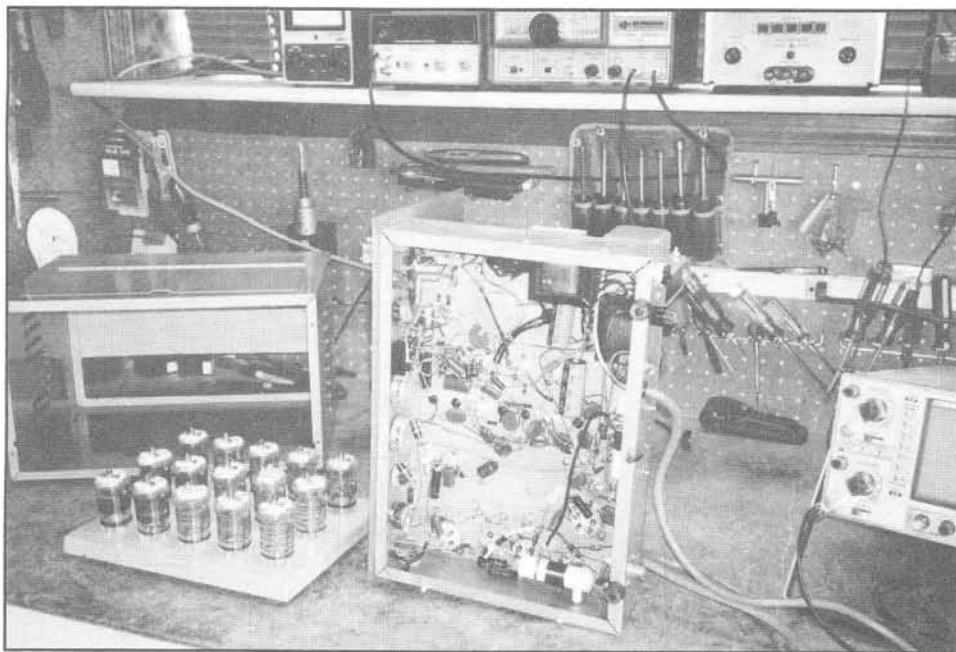


Rear view, cabinet removed.

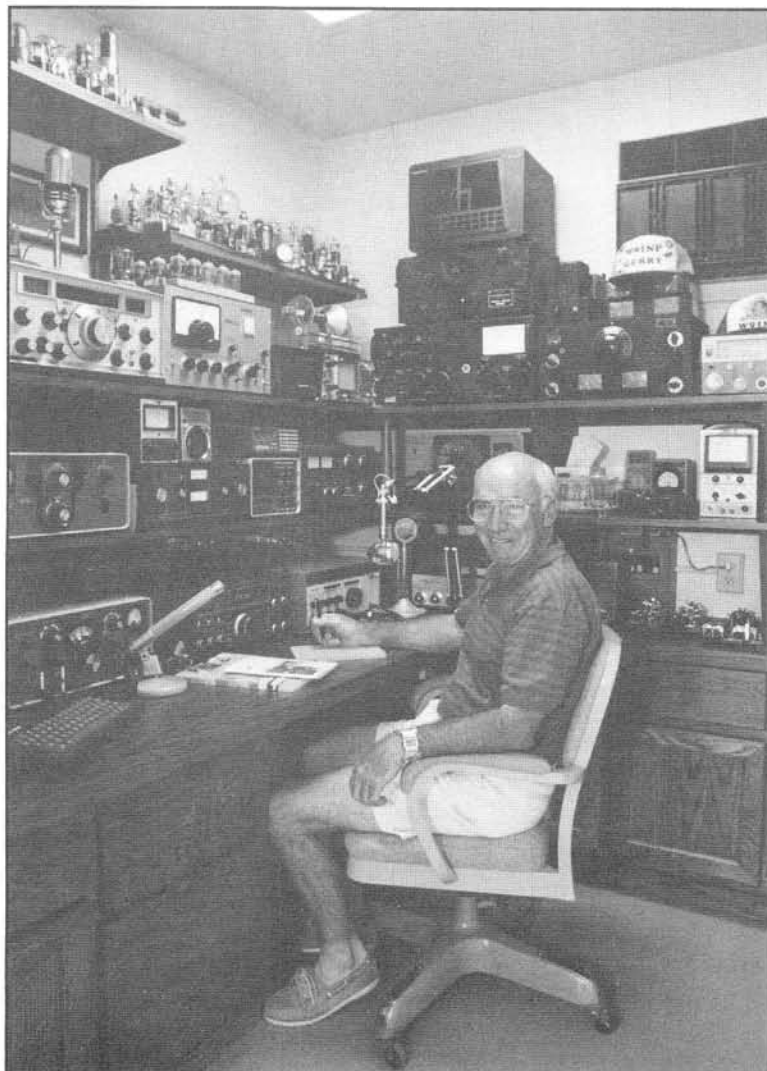
oscillator's fundamental frequency is exactly one-half of the required mixing frequency, allowing a desirable C/L ratio. For more details, you engineer types might get a copy of the October 1959 QST.

The second oscillator is crystal controlled at approximately 1700KC, creating a 100KC second IF frequency. The second IF transformers had to be modified with 50pF fixed padders across the primaries and secondaries to tune 100KC. There are two stages of IF amplifiers, a product detector, BFO, infinite impedance detector-AVC, S-meter amplifier, two stages of audio, rectifier, voltage regulator and 3500KC calibration oscillator (band edge).

Probably the hardest physical labor was drilling the numerous vent holes in the chassis and cabinet, and punching the tube socket holes. The National dial and S-meter required a hole saw. The rest of the wiring and component installation was a labor of love and went rather smoothly except for an occasional trip to get a "forgotten" part.



Underchassis view of the HBR-16.



The author in his ham shack.

The long awaited initial start-up finally arrived and after throwing the AC toggle switch to the "ON" position there was absolutely no smoke! (I've been told that all resistors are filled with smoke!) There was no signal either, but a short search revealed no B+ at the BFO. BFO injection is necessary for the product detector to operate (SSB). The B+ lead was installed to the 6BH6 BFO and alignment was started.

Alignment was not really complicated, but did require some patience manipulating coil windings to obtain proper bandspread. After the initial alignment only the three coils for each band need adjustment.

The HBR-16 is somewhat smaller than the HBR-14 with the use of all miniature tubes (except

the rectifier) and IF transformers with padders accessible from the top. Several circuit improvements are employed for better stability and better audio frequency response with the infinite impedance detector for AM and product detector for SSB and CW.

The HBR-16 was a challenge and very satisfying to complete. It may not be as flexible and as easy to use as today's solid state receivers, but the performance of a "plug-in coil" type receiver cannot be denied. It excelled in its day and it still represents itself very well today. W9INP

The author is a longtime QCWA member. He is the past President of Chapter 16, Barry Goldwater, Ed.

Editor's Note:

There was another HBR-16 article that appeared in QST after the original article. It was written by William E. McKay, W7QBR. His receiver had a few bells and whistles added; like BFO switching, audio AGC, a Q-Multiplier and an IF noise limiter. He also used a fancy Eddystone dial.

Shortly after the article came out in QST Bill got a call from Art Collins at the Collins Radio Company. On the basis of Bill's QST article, Art offered him a job.

Bill had to decline the offer at that time because he was still in college. When he graduated a couple of years later he called Art. The job was still available so he went out to Cedar Rapids and joined the engineering staff at Collins Radio.

I thought this little yarn might be an interesting footnote to W9INP's article. N6CSW

1995 QCWA QSO Phone Party Logs

Compiled by Don Bice, W4PCO & reviewed by Bob Kleiber, KR8G

	Call	Chap.	Name	Score	QSO	Mult.		Call	Chap.	Name	Score	QSO	Mult.
1	AE7B	140	DAVE	31212	289	108	66	WB9FBI	55	LEW	750	30	25
2	W3TDF	17	RAY	2469	6252	98	67	K0ORB	35	BILL	736	32	23
3	W4WKQ	84	JOHN	23129	229	101	68	WD9DJD	2	PAUL	720	30	24
4	VE3CT/W	70	CROFT	20295	205	99	69	W6IFC	99	LYMAN	704	32	22
5	K9CLO	AL	WILLIAM	18800	200	94	70	W0PEX	123	AL	700	35	20
6	W2RRY	81	ART	13616	148	92	71	W1DO	112	ERNIE	648	27	24
7	W5JC	38	JIM	11928	142	84	72	WA0OZP/5	110	HARVEY	594	27	22
8	K3CP	17	BILL	10863	153	71	73	W3TPW/4	122	BERT	588	28	21
9	W4GXZ	120	BLANCHE	8806	119	74	74	WA9CCQ	2	KARL	567	27	21
10	WB3KMX	150	RON	8772	102	86	75	K4EZ	49	BEN	560	28	20
11	W4COW	128	WES	7973	119	67	76	W0WLN	162	BOB	550	25	22
12	AC4VG	89	PHIL	7345	113	65	77	W3FYA	AL	DOC	528	24	22
13	W6TKV	177	FRED	7104	111	64	78	W5OC	41	NORM	504	24	21
14	W6FQ	7	HERB	6800	100	68	79	W0DFT	19	RAY	500	25	20
15	W1WW	89	GEORGE	6592	103	64	80	K4AVH	32	BILL	500	25	20
16	K5DLE	63	GENE	6120	102	60	81	W2VEX	65	NORM	475	25	19
17	WB4DRF	45	AL	5995	109	55	82	NS3O	6	GEORGE	460	23	20
18	KD2PH/7	16	HAROLD	5985	95	63	83	K16KJ	169	RUSS	418	22	19
19	K0RH	AL	RON	5684	98	58	84	W8WVM	30	ARNOLD	399	21	19
20	W5TPU	72	JACK	4588	74	62	85	W5GVP	72	TOM	396	22	18
21	W1KKG	149	SPERRY	4235	77	55	86	W9ULX	2	ERNEST	352	22	16
22	K6LFR	75	KEN	3700	74	50	87	W1SE	45	LEE	338	26	13
23	K4KQ	45	CHARLES	3375	75	45	88	W5KL	90	LELAND	240	16	15
24	W4YE	91	BUD	3102	66	47	89	W2IP	46	HAROLD	225	15	15
25	W3WPY	150	WALT	3036	66	46	90	W8QM	10	CLIFF	225	15	15
26	W2QI	65	TOM	3015	67	45	91	W2KGI	96	BOB	210	15	14
27	W1PB(QRP)	107	CHARLES	2948	67	44	92	W09P	36	RON	210	15	14
28	DL6NB	106	HANS	2856	68	42	93	VO1CA	AL	TOM	195	15	13
29	VE3MMQ	73	GEORGE	2646	63	42	94	NL7OH	92	JOHN	187	17	11
30	W9LOB	2	AL	2600	65	40	95	W7LQU	160	RED	182	14	13
31	WB4AUB	AL	ANCEL	2576	56	46	96	W8EGI	135	DON	176	16	11
32	W3OOJ	5	MAC	2451	57	43	97	W2VCV	AL	JOHN	165	15	11
33	WA9ENA	2	DALE	2418	62	39	98	N4AKD	187	TED	156	13	12
34	WA6HXE	AL	JOHN	2214	54	41	99	W2PFD	29	JIM	156	13	12
35	WA3BRW	17	JOE	2145	65	33	100	W4FCC	AL	GEORGE	120	12	10
36	WA6TKT	AL	GARY	1908	53	36	101	K9BSL	128	JAY	117	13	9
37	W6JTA	75	ROBERT	1900	50	38	102	K4VN	49	WENDELL	108	18	6
38	W2WOE	55	CHARLES	1862	49	38	103	K4AKB	45	CHARLES	108	12	9
39	W9WYN	AL	JACK	1855	53	35	104	K2MN	AL	STEVE	100	10	10
40	W6ISQ	11	JOHN	1748	46	38	105	VE3MO	73	HARRY	100	10	10
41	W4NWF	53	BOB	1716	44	39	106	WB2CJE	138	HAROLD	100	10	10
42	VE3DMC	70	GEORGE	1715	49	35	107	N1LJB (QRP)	149	WALT	90	10	9
43	K2IC	138	EARL	1462	43	34	108	W2DME	138	PHIL	90	10	9
44	W4XD	155	JOE	1386	42	33	109	W5QVS	63	"AJ"	90	10	9
45	K4IJK	32	JANICE	1350	45	30	110	KM7T	108	MIKE	81	9	9
46	VE3AHZ	70	JACK	1280	40	32	111	W8WTL	9	ART	81	9	9
47	W3LR	17	DON	1204	43	28	112	W4ZC	23	JOHN	80	10	8
48	W7BKB	104	GEORGE	1170	39	30	113	W8TIV	9	CHARLES	64	8	8
49	W5EFB	27	JIM	1161	43	27	114	W9WM	159	BILL	64	8	8
50	WB9HDI	AL	CHARLES	1134	42	27	115	KL7AVX	92	MAC	56	8	7
51	W3WM	32	ART	1131	39	29	116	W2EWT	65	BILL	49	7	7
52	W8FDN	1	DICK	1050	35	30	117	WB4FSF	45	BONNIE	35	7	5
53	VE3AJW	73	FRED	1008	36	28	118	W2IOE	45	GEORGE	30	6	5
54	KE5TN	64	DAVE	1008	36	28	119	W1TSN	112	DON	25	5	5
55	W3FYK	17	BILL	920	46	20	120	KA5ENU	63	JACKIE	16	4	4
56	AB5XZ	184	TOM	918	34	27	121	W2DTP	138	AL	16	4	4
57	W7OOO	4	ED	870	30	29	122	DL3ME	106	DOC	12	6	2
58	W3TFA	23	STAN	864	36	24	123	KR8G	128	BOB	9	3	3
59	W9GIL	55	JOHN	851	37	23	124	W6RLP	169	PAUL	4	2	2
60	W8HU	9	JOE	850	34	25	125	W3JZN	31	ART	4	2	2
61	W9NVK	162	ED	850	34	25	126	W8IJ	37	DAVE	1	1	1
62	W8YDJ	142	"KG"	850	34	25	###	W2QL	16	TONY			CK LOG
63	K7BZ	16	STAN	840	35	24	###	W4PCO	128	DON			CK LOG
64	W5FOZ	67	ROY	832	32	26							
65	K4BAI	AL	JOHN	825	33	25							

1995 QCWA QSO CW Party Logs

Compiled by Art Monsees, W4BK and Bill Bell, K4AVH

	Call	Chap.	Name	Score	QSO	Mult.
1	KGØDS	AL	Mike	35,616	318	112
2	W3TDF	17	Ray	33,048	306	108
3	W6ASH	11	Walt	33,027	303	109
4	K3CP	17	Van	32,655	311	105
5	W5KL	90	Leland	28,496	274	104
6	K9CLO	AL	Bill	27,300	273	100
7	WØMHS/7	AL	Dave	25,250	250	101
8	VE3CT/WA	70	Croft	23,750	250	95
9	W4WKQ	84	John	23,716	242	98
10	W4YE	91	Bud	21,056	224	94
11	W4BK	32	Art	19,300	193	100
12	K4KQ	45	Chuck	18,920	215	88
13	KØERM	102	Dave	18,546	204	91
14	W6BIP	11	Bip	18,450	205	90
15	K4BAI	AL	John	17,927	197	91
16	W8QM	10	Cliff	17,226	198	87
17	W4XD	155	Joe	17,052	203	84
18	K7BZ	16	Stan	14,707	191	77
19	K1AA	45	Norm	14,535	171	85
20	W9GIL	55	John	14,413	203	71
21	W1WW	89	George	11,060	140	79
22	W2WOE	55	Charlie	11,020	145	76
23	W5CJZ	41	Barney	10,780	140	77
24	W5EFB	27	Jim	10,519	157	67
25	W1DV/3	AL	Dave	9,867	143	69
26	K4LRX	AL	Bill	9,394	122	77
27	W9MY	AL	Walt	8,680	140	62
28	K4EZ	49	Ben	8,646	131	66
29	N9EAY	55	Don	8,382	127	66
30	VE3DMC	70	George	8,316	132	63
31	W5JC	38	Jim	8,004	116	69
32	W4ZCT	45	Harry	7,625	125	61
33	VE3GD	AL	Fred	7,625	125	61
34	K6NL	11	Frank	6,996	106	66
35	W2TO	AL	Hans	6,930	110	63
36	W9HR	162	AL	6,912	108	64
37	HP1AC	AL	Cam	6,440	115	56
38	W5DW	AL	Wib	6,344	122	52
39	W2RRY	81	Art	6,336	99	64
40	DL6NB	106	Hans	6,300	105	60
41	W6FQ	7	Herb	6,237	99	63
42	W9IB	AL	Harry	6,195	105	59
43	W4TYU	60	Jean	6,160	110	56
44	K2IC	138	Earl	6,156	114	54
45	W6NKR	169	Marion	5,922	94	63
46	W6JTA	75	Bob	5,900	100	59
47	W8TIV	9	Chas	5,775	105	55
48	W3GN	AL	Larry	5,700	100	57
49	W3FYK	17	Bill	5,616	108	52

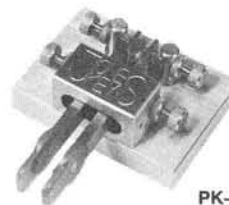
	Call	Chap.	Name	Score	QSO	Mult.
50	W2VEX	65	Norm	5,148	99	52
51	W6IFC	99	Lyman	4,770	90	53
52	KØRH	AL	Ron	4,576	88	52
53.	K2UFT	49	Dick	4,536	84	54
54.	W9MKL	2	Bill	4,234	73	58
55.	W4ZC	23	Jack	4,176	87	48
56.	K2HA	AL	Chas	4,150	83	50
57.	KØOAL	157	Tony	4,136	88	47
58.	W6ISQ	11	John	4,015	73	55
59.	K6CJ	AL	Phil	3,960	90	44
60.	VE3MMQ	73	George	3,948	84	47
61.	K3GGN	55	Dean	3,726	69	54
62.	WØCY	79	Jim	3,672	68	54
63.	W7HO	190	Heinz	3,525	75	47
64.	W7GB	87	Don	3,520	64	55
65.	W9REC	2	Bill	3,450	75	46
66.	WA6TKT	AL	Gary	3,332	68	49
67.	W2KTF	81	Chas	3,330	74	45
68.	W6NT	7	Ray	3,080	70	44
69.	K2FD	138	George	3,072	64	48
70.	W2HTX	16	Leroy	2,886	74	39
71.	VO1CA	AL	Tom	2,880	72	40
72.	W2JPD	77	John	2,730	65	42
73.	WB3KMX	150	Ron	2,640	55	48
74.	WB4AUB	AL	Ancel	2,624	64	41
75.	WA5RNV	38	Ivan	2,583	63	41
76.	W4WXZ	126	Chuck	2,537	59	43
77.	W9ZEN	59	John	2,337	57	41
78.	W3NGO	122	Dick	2,310	55	42
79.	KG6VI	AL	Jim	2,268	54	42
80.	K4HQI	AL	Lloyd	2,262	58	39
81.	W4HU	91	John	2,170	62	35
82.	VE3HMD	70	Joe	2,120	53	40
83.	W3DP	37	Dick	2,067	53	39
84.	WA4FTM	49	Bob	2,050	50	41
85.	W3OOJ	5	RV	2,048	64	32
86.	VE3EID	AL	Moe	1,950	50	39
87.	W9DU	55	Uke	1,950	50	39
88.	WA5MUF	AL	Bill	1,920	60	32
89.	AA7XP	108	Herb	1,768	52	34
90.	W5FOZ	67	Roy	1,715	49	35
91.	W9WM	159	Bill	1,650	50	33
92.	AE9Q	AL	Walt	1,650	50	33
93.	W3LOV	150	Tom	1,634	43	38
94.	W8WTL	9	Art	1,628	44	37
95.	W1YJ	126	Harvey	1,575	45	35
96.	N4AKD	187	Ted	1,575	45	35
97.	WA4YTM	AL	Bill	1,548	43	36

continued next page

CW Party Logs from previous page

Call	Chap.	Name	Score	QSO	Mult.
98. W9IL	179	Louis	1,518	46	33
99. WA1JW	146	Tom	1,504	47	32
100. W3ABC	23	Hugh	1,450	50	29
101. AB2N	138	Arnold	1,428	51	28
102. W3DYA	AL	Norm	1,392	48	29
103. K3APM	20	Russell	1,209	39	32
104. K7LNS	168	Fred	1,200	40	30
105. W5HRF	38	Gus	1,080	40	27
106. W1SE	45	Lee	1,015	35	29
107. KE5IR	AL	Ron	950	38	25
108. K2MN	AL	Steve	918	34	27
109. K3TX	AL	Dave	858	33	26
110. W5OC	41	Norm	814	37	22
111. W2KGI	96	Bob	780	30	26
112. K5DLE	63	Gene	768	32	24
113. W3ADE	37	Lewis	600	30	20
114. W4OGG	AL	Dave	600	25	24
115. WAØOZP/5	110	Harvey	598	26	23
116. W3DAD	20	Kevin	580	29	20
117. WØAWP	79	Alvin	567	27	21
118. W2IP	46	Harold	525	25	21
119. AA1HE	AL	Tom	500	25	20
120. WØJTC	123	Bill	494	26	19
121. W4PCO	128	Don	480	24	20
122. K5ER	14	Ed	475	25	19
123. W8GD	142	David	450	25	18
124. WB2CJE	138	Harold	323	19	17
125. K6LRN	AL	Dick	309	19	16
126. K4AXB	45	Chas	255	17	15
127. WØODD	AL	Ed	240	16	15
128. W2VCV	AL	John	238	17	14
129. K6LFR	75	Ken	225	15	15
130. WI3U	122	Henry	224	16	14
131. W4YOK	AL	Tom	210	15	14
132. W3MNE	AL	Larry	208	16	13
133. W8IJ	37	David	156	13	12
134. W2RPZ	148	Edgar	144	12	12
135. WB4FSF	45	Bonnie	132	12	11
136. W4NTI	AL	Dan	120	12	10
137. W2QI	65	Tom	110	11	10
138. VE2XLT	AL	Yuri	90	10	9
139. W3TPW/4	122	Bert	81	9	9
140. DL1NP	106	Jurgen	75	15	5
141. W1ALE	146	Ted	42	7	6
142. W1TSN	122	Don	42	7	6
143. DL9PR	106	Herm	30	6	5
144. N2GT	138	Sterling	25	5	5
145. W6PCI	144	Gerald	16	4	4
146. W1CKV	149	Fred	16	4	4
147. WB4DRF	45	Al	4	2	2
148. W4COW	128	Wes	1	1	1

JONES KEYS



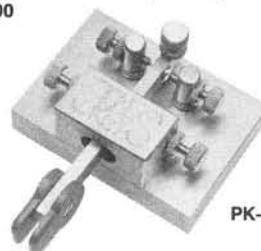
PK-200-B

- Machined brass mechanism.
- Rotary ball race bearings.
- Solid (Weight 3-1/2 lb).
- Engraved serial number.

Model PK-200 Dual paddle (Red Base)
\$170.00

Model PK-200-B Dual paddle (All Brass)
\$190.00

Model PK-200-G Dual paddle (Gold Plated)
\$350.00



PK-203

Model PK-203 Single lever (All Brass)
\$195.00



PK-205

Model PK-205 Straight Key (Red Base)
\$150.00

Model PK-205-G Straight Key (Gold Plated)
\$330.00

All keys add \$6 shipping/handling. Sales tax in Calif.

KEYERS

- Keys any rig.
- Iambic.
- RF proof.



Model PK-44 Electronic Keyer \$89.95
+ \$6 shipping US & Canada. Tax in Calif.

- Four Memories.
- Easy to use.
- Does it all.



Model PK-50 Message Memory Keyer
\$129.95
+ \$6 shipping US & Canada. Tax in Calif.

Send for free catalog.

PALOMAR ENGINEERS

BOX 462222, ESCONDIDO, CA 92046
Phone: (619) 747-3343
FAX: (619) 747-3346

Member Supplies

Certificates

Membership Certificates are numbered in serial order and are issued to each member. Numbers are not reissued except to the same member to whom they were first issued.

QCWA Gold Certificates celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.

Gold Certificates are issued in five year increments; 55, 60, 65, 70 and 75 year certificates free of charge to eligible members.

Fifty Year Continuous Licensing Gold Certificate available to eligible members. Requires submission of proof of continuous licensing. There is a \$5 fee for this certificate. Applications are available from QCWA Headquarters.

QCWA Century Club Certificate is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 or more. No charge for this certificate.

Meritorious Award Certificate is issued by Headquarters upon request of any active QCWA chapter. One such award is authorized for each chapter each year. The award may be given to recognize unusual dedication to QCWA or amateur radio. No charge for the award.

Operating Awards

QCWA Operating Award Certificates are issued to QCWA members by the Activities Manager. Proof of eligibility is required.

QCWA Worked 50 States Awards are issued to QCWA members who have contacted members in each state of the union.

QCWA Worked 100 Members Awards are issued to QCWA members who have contacted at least 100 QCWA members.

QCWA Worked 60 Chapters Awards are issued to QCWA members who have contacted members of 60 chapters.

QCWA Worked 500 Members Awards are issued to QCWA members who have contacted 500 QCWA members.

QCWA Lapel Pins

Without year tags, tie-tack, safety pin or screw type. Plain pins (no year) - \$10

With year tags (clutch-type only). Specify year; 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 - \$15

QCWA Life Member pin - \$5

Other Member Supplies

QCWA Embroidered emblem - \$5

450 QCWA Red Stamps (regular) - \$3

450 QCWA Gold Stamps (life) - \$3

400 QCWA Yellow Stamps (50 Year) - \$3

QCWA Cap with logo - \$5

QCWA Chapter Banner - \$200

QCWA Decals - \$1

QCWA QSL cards - (see ad elsewhere)

Please send your order to QCWA Headquarters, 159 E. 16th Ave., Eugene, OR 97401-4017.

Phone (inquiries only, no orders): 503-683-0987, FAX 503-683-4181

We do not accept orders charged to credit cards.

What Makes Vintage Ham Radio Buffs Tick?

by Rob Brownstein, NS6V, 3881 Winkle Avenue, Santa Cruz, CA 95065

It's been over three years now that I have given up contesting and DXing and jumped into vintage ham radio with both hands and feet. I guess the seminal event that led to this behavioral change was a chance AM QSO on the upper reaches of 10 meters one day. I had decided to find out if the AM mode on my IC-761 really worked, so I switched it in, and went looking for an AM station to talk to. The first one was a K1 in Massachusetts, and instead of an IC-761, or TS-940, or FT-whatever, he was using a Viking Valiant and an HQ-170. A Viking Valiant! My mind raced back to those E.F. Johnson ads in 1950s QSTs. A Viking Valiant! Rated 275 watts input on CW, 200 watts input on AM. Built-in vfo. Covers all bands from 160 through 10. How I longed to be able to own a Valiant as a 12 year old general licensee back in 1959. And what about the HQ-170? It featured triple conversion, 60dB slot filter, switchable selectivity from 5Khz down to 500 Hz, and an "I mean business" front panel. Yes. This was my dream station—a Viking Valiant and HQ-170. I had to have a Viking Valiant.

Finding The Valiant

I began searching the classifieds in the back of my QSTs. There were lots of SBs, HWs, TRs, FTs, TSs and ICs. But, alas, no Viking anything. I started looking in back issues and found a flurry of ads for old Vikings, Heaths, Globes, even Collins 75As and 32Vs. But the back issues were 1960s and early 1970s. From that point on, there was an occasional vintage blip on the classified radar screen, but they were very few and very far between.

After searching for a few months, I found a QST ad from a ham in Ohio who was selling a bunch of vintage stuff, including a Valiant. It cost me \$200 to buy it, and \$132 to ship it, because this yo-yo sent it from Ohio to California via Greyhound! Thank you very much. It was scratched, and dirty, and old looking. I took it home, began reading the torn, greasy, and dirty users manual, and hesitantly decided to dive in. Off came the rear chassis screws, off came the cover, and brown was the color of what had once been a steel-colored chassis. Not a pretty brown, like my wife's eyes. It was a dark, ugly brown, like the inside of a smoker's pipe. Someone who had owned that Valiant had evidently smoked 20 packs a day, for 20 years, and exhaled each puff through the holes of the cabinet. I learned, first hand, a few tricks about cleaning up old gear.

With the tobacco residue removed, I chanced to plug the unit in, and find out what, if anything, was working. I turned on the power switch, and the tube filaments lit. I put the bandswitch in the 160 meter position, turned the meter switch to grid, turned up the drive, adjusted the exciter control, and, lo and behold, there was a reading.

That first afternoon I discovered that the 80 and 40 meter bands were inoperable, the 300 volt supply was only putting out 230 volts, and none of the pilot lights were working. It took me a few days to get familiar with the Valiant, but by week's end I had all the bands working, I had 300 volts, and I had replaced the pilot lights.

The First Two Ticks — Nostalgia And Self Reliance

I discovered in myself, and in most of the vintage buffs I would meet, that two of the big motivations are nostalgia and self reliance. Most of us are baby boomer generation, and older, and we have fond memories of the U.S.-built equipment from the 1950's. And most of us are chagrined by the complexity and manufacturing technology used in today's ham gear. These radios are designed to be repaired using the "board swap" technique. That is, a technician pulls out a board, and replaces it with an entire new board. Even if the problem is a \$2 IC on the board, you pay for a whole new board, plus the labor. Even if you have a signal generator, oscilloscope, VTVM and an engineering degree, the details you get in a modern rig's user's manual will not give you enough information to troubleshoot your own equipment. The word to the wise is "keep the original carton" for shipping it back to the authorized service center.

Vintage ham gear, on the other hand, is built using individual components, and is readily repairable by replacing a faulty tube, resistor, capacitor, switch, or the like. After boning up on your vacuum tube circuit theory, you can often troubleshoot one of these hundred-pound beauties with a volt-ohmmeter. And, to help you, the users manuals have detailed



The author's hamshack. A room full of familiar faces for most QCWA members. From the left: a Globe King 500; an E.F. Johnson Viking Ranger; a Collins 75A-4; a Johnson Valiant; a National NC-303; a Johnson Matchbox tuner and a Hammarlund HQ-160.

schematics that you can actually read, and often they have resistance and voltage tables to use for tracking down an errant component. Truth is, it's fun to fix up one of these behemoths, and the feeling of satisfaction afterward is its own reward.

Tick Three — Making A Good Thing Better

The third major motivator for vintage "crazies" is making a good thing work even better. For example, the Collins 75A-4 was considered a premier receiver. Yet, introduced in the mid-1950s, there were modification articles published for it into the late 1970s.

I found out after a couple of weeks of active AM phone rediscovery that vintage ham radio buffs had their own magazine first published in May 1989. Electric Radio is its name, and the QCWA Journal shares its editor, Barry Wiseman. Electric Radio, or "ER" as it is called, is published monthly, and is filled with a treasure trove of vintage stories, articles, repair tips, and a classified that is worth the price of subscription.

Since 1989, there have been at least four articles on modifying the Valiant's stock audio, a series of articles about the Collins 75A receivers, histories of E.F. Johnson Co., Collins, and others. Having written about half-a-dozen technical articles for ER, myself, I can attest to the technical interest and knowledge of most vintage ham buffs and ER readers.

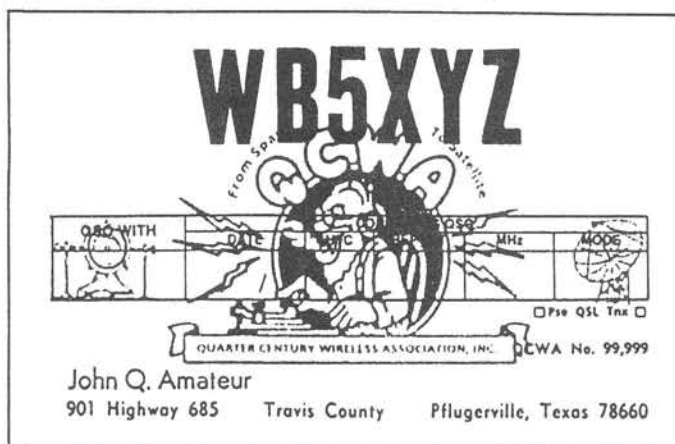
I wouldn't know where to begin to try improving my IC-761, but I've made extensive modifications to my Valiant, Ranger, and Globe King 500. I designed and built a homebrew plate modulator for my Viking Adventurer, and brought an old 75A-4 back to life after it had sat under someone's table collecting decades' worth of dust. The fact is, if I had never embraced vintage ham radio, I would have probably continued to participate in contests, and maybe chase a DX station now and again, but my intimacy with my equipment would have continued to wane. When you clean a variable capacitor's plates with a toothbrush and cleaning solution, you're engaged. And when you improve the performance of a vintage transmitter by shaping its keying and reducing its key clicks, you're hooked.

One Man's Meat...

I am not trying to proselytize, believe me. Vintage ham radio is not for everyone. These radios are heavy, and consume more power than their solid-state counterparts, and they break down more often, too. It's kind of like comparing the charmless but reliable cars of the 1990's with the charming but less reliable cars of the 1950's and 1960's. Some people prefer the peace of mind of knowing when they turn the ignition key, the car will start, and the ride will be predictable (and boring). Others prefer the excitement of turning the key and knowing that while the ride may be short, it will be interesting. To each his own, I say. Now back to the Vibroplex. NS6V

The author has been a member of QCWA since 1983 and is presently Secretary of Chapter 191, Monterey Bay. Ed.

Order Your Official QCWA QSL Cards Today...



QCWA QSL cards are USA standard size, printed on a heavy stock which is "coated" (shiny) on the logo side. Ink is a bright blue with light gray QCWA logo, and you may have your call in either solid letters (above) or shadowed (right). **WB5XYZ** Be certain to specify the letter style when you order.

If you want your county printed, please indicate so on the order blank. Also, tell us whether you want your state spelled out in full or printed with the standard postal abbreviation. Prices listed below include shipping. **Please print very clearly or type your order.**

Order Your QSLs Here

Complete in full and mail with your check to:

Call _____ ☐ Solid ☐ Shadowed
 QCWA Member # _____
 Name _____
 Street/PO _____
 County (optional) _____
 City _____
 State _____ ☐ Spell out ☐ Abbreviate
 Zip _____ ☐ ARRL
 Province/Country (if non-USA) _____
☐ 10 - 10 # _____ ☐ Grid Sq. _____
 Quantity: ☐ 100 \$25.00 ☐ 200 \$35.00
 ☐ 300 \$45.00 ☐ 500 \$60.00
 ☐ 1000 \$80.00

Complete in full and mail with your check to:
 QCWA, Inc., 159 E 16th Ave, Eugene OR 97401-4107

Ham Radio in Europe After V-J Day

by Owen A. Lehr, W5VYB, 7731 Gran Quivira, El Paso, TX 79904

The war in Europe is over. Japan has just surrendered. American military personnel are still in foreign countries waiting and helping the world to return to normal, waiting for their lives and activities to return to what they experienced prior to December 1941. This includes Ham Radio Operators and their activities that were shut down in 1941. Many are now in military units with access to radio equipment. Now with time on their hands and while waiting for their discharge number to come up, the urge to become a ham again became a very strong incentive and an opportunity to use the ingenuity they were famous for.

We were stationed in Bad Homburg, Germany, attached to Psychological Warfare Division, SHAEF, as one end of a communication link to London. A 1 kilowatt CW transmitter was in use with a BC-610 transmitter available as a backup. The temptation was just too much. With the BC-610 transmitter just waiting to be warmed up, receivers available, and space for an antenna, getting on the air was not too difficult. We had several Hammarlund receivers available and with a slight modification on one of the BC-610 plug-in exciter units it would be easy to operate in the ten meter ham band. With tower sections, wire, and coax available, a ten meter half wave dipole antenna was easily assembled. The operating location was set up in the living area and connected to the BC-610 transmitter in a storage room across the hall. A Hammarlund HQ-129 receiver, BC-610 control unit, microphone, key, and other equipment was on a desk in the living area. All of this was not too hard to do but if you're on the air you need a call----right!!

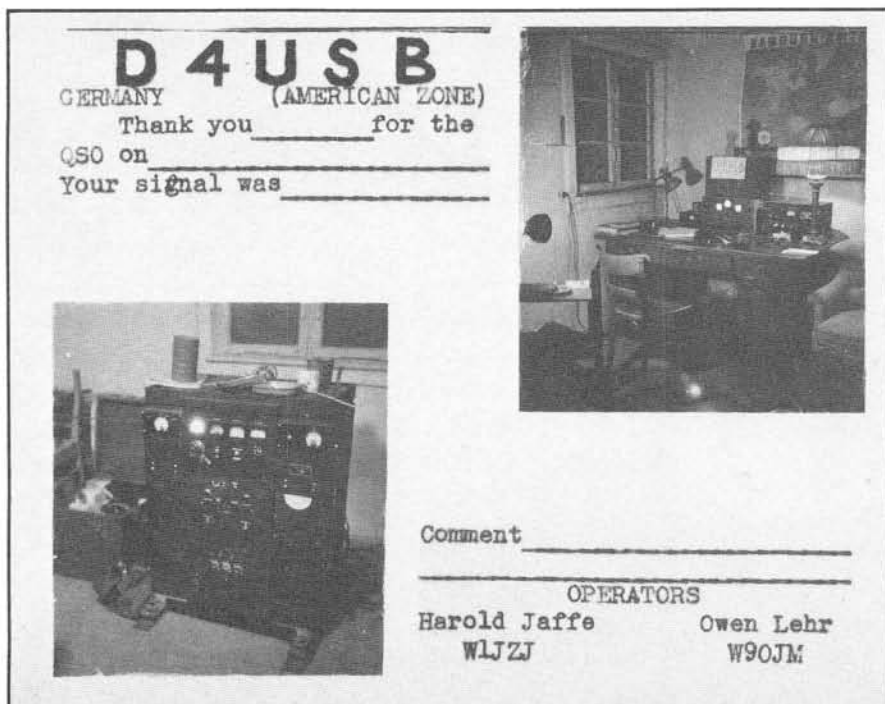
What better than D4USA. A few CQ's and we made a contact. What else but D4USA in Frankfort, Germany. We were not alone on the ten meter band and our call sign not too exclusive. The similarity and authenticity of the D4USA call naturally became a subject of discussion. After peaceful but heated negotiations of "Who Was On First" we had to admit we were "What's His Name On Second" so we accepted D4USB. A number of contacts were made with stations using D4--- calls and the known list soon grew from D4USA to D4USN. Contacts were also made with other countries with various calls. A CW contact was made with a station on Tinian Island without our then being aware of its place in WW II history.

Unfortunately the station log has long since disappeared although photos and a QSL card are still available. Yes, we did send out QSL cards. Ham radio in Europe was again silenced for us when our signal was picked up at an Air Corps Base in Spain and through military channels were informed we were interfering with their communications. We were told to cease and desist----which we did. In December 1945 the Army decided to issue temporary licenses to USA hams for operation "above 20 Megacycles/Second". The new call was D4ABA, dated December 10, 1945 but my discharge number came up and I left Bad Homburg on December 14, 1945 to return to W---land.

How did we get to Bad Homburg, Germany? I was assigned to the Fifth Mobile Radio Broadcasting Company in June 1944 at Camp Ritchie, Maryland. Joined the 5th MRBCo. at Camp Sharpe near Gettysburg, PA to assemble the personnel and equipment for an overseas assignment. The radio equipment

was principally "off the shelf" commercial units in a one of a kind configuration. Our Communications Section Command Trailer containing the transmitters, receivers, operating areas, and code room was called "FUBAR" for obvious reasons. Our Company's designated mission required that a number of foreign language speaking individuals be included in the Company roster, as well as the technical personnel and operators. In addition to the usual military equipment the Company had a Printing Section, broadcast Section, Public Address Section, Communications Section and Foreign Language Group. The Company's "assigned task" was to furnish facilities for the Foreign Language personnel to print surrender leaflets, replace local broadcasting stations in areas taken over by our Army and using our announcers, use high power portable public address amplifiers to encourage the surrender of enemy troops, and interrogate prisoners. In Europe, to protect our personnel, a PA amplifier was mounted on a tank and became known as the "Talking Tank".

The 5th MRBCo. shipped out of New York in August 1944 to join a ship convoy to Eu-



The D4USB QSL card was 'homebrewed' in a primitive darkroom.

rope. Food poisoning temporarily disabled about half the troops on board, which broke the monotony of the long cruise. We landed in Scotland and then went by train to a camp near Leicester, England to prepare our equipment. In September 1944 the Company drove to Southampton and boarded the ship to France. We went on a "C Ration" diet and due to the large number of personnel on board were required to remain on the ship's deck. Colored tags were issued that allowed you to go into the ship's hold for eight hour shifts to sleep on the five high canvas bunks, but only when specified by your tag color.

Arriving at Omaha Beach our equipment was off-loaded on landing crafts for the short trip to shore. We went over the side on landing nets to accompany our equipment.

On arrival in France the Company broke up into three Detachments. Detachment "A" went with the Ninth Army to furnish surrender leaflets, P.A. surrender equipment, and prisoner interrogation. Detachment "C" joined the French Army to support their surrender and interrogation efforts. Detachment "B" drove as far as Paris where we were assigned to the Psychological Warfare Division attached to Supreme Headquarters Allied Expeditionary Forces (SHAEF). Our assignment was to furnish CW communications between Paris, London and Luxemburg. We were given a daytime frequency of 7300 kHz and a nighttime frequency of 1700 kHz (approximate freqs.).

The station was located at 66 Rue Pierre Charron, one half block from the Champs Elysees, in a three story building with an enclosed courtyard in the center. The Command Center trailer was too large to park in the courtyard so the equipment was moved out of the trailer and into the building. The transmitter went into what had been a horse stable that opened into the courtyard. Antennas were going to be a problem, especially for the 1700 kHz frequency. By scrambling across the Paris rooftops we were able to stretch approximately 300 feet of wire centered over the courtyard, and a shorter wire for 7300 kHz. The antennas were elevated as high as possible using guyed tower sections. One end of the long antenna was supported on a separate building, made possible by throwing a weighted cord across the open space (good field day experience.) Using an RF relay on the roof we could switch the RG-8/U feedline to either antenna. The transmitter was a 1 KW CW transmitter using a pair of 833-A tubes and motor driven band switching. Commercial power was used (220 volt/50 cycles) with a step-down transformer to reduce voltage for the operating room equipment. A gasoline powered generator was available for back-up.

In June 1945, with the war over in Europe, we loaded the equipment into the Command Center Trailer and drove to Bad Homburg, Germany, a health spa located 15 miles northwest of Frankfurt. The receiving station was set up in the health spa building and communication was again established with the station in London. The transmitter was left in the trailer and parked near the antenna area. Members of our Company also reactivated the Frankfurt AM broadcast station, putting



The author operating D4USB.

it back on the air with our personnel.

The point system paid off for me in December 1945 with the next stop the USA. A train ride ended at Garmisch Partenkirchen to assemble troops for the trip home. Then another long train ride to Le Havre, France in vintage WW I "40 and 8" box cars. These cars were originally designed to carry 40 men or 8 horses and were entered through large sliding doors on the sides. A small coal stove was inside each car for heating. Forty one men were assigned to each car so there would always be one person up to keep the stove going and act as fire guard. If it came his turn to sleep, someone else had to get up so he could lie down. The boat ride home from Le Havre was long and rough, since the Atlantic in

January is not too friendly. The Statue of Liberty was a welcome sight and the New York welcome wonderful. After that it was just a paperwork routine to get back to normal living and Ham Radio. W5VYB

Information Needed by W9NT

A sidelight to my call leads to a question. As most QCWA members are made up of the OT's I wonder if any of the members may have worked W9NT or 9NT. In the 20's, my father was licensed as 9NT. Later on, he became W9NT.

When he retired and left the Chicago area to move to northern Minnesota, he got the counterpart call-W0NT, and of course W9NT then lay fallow.

When I could, I did all the upgrading and applied for my father's call and received same, sometime in the early '70s.

I have kept the call, of course, even though I now live in Zero-land Minnesota. So the call has been in the family for about 70 odd years.

Perhaps some of the older members may have worked my father way back when. I'd sure like to hear from any who might have worked him, and their remembrances.

By the way, he worked in radar in WW II, on loan from the Illinois Bell Telephone Co. He had one of the early radio stations in Chicago, and I have his mention in the WGN 'Radio Book' of 1927.

Gurnee Bridgman, W9NT

Assistant Director Dakota Division, Life Member--ARRL

12770 Portage Lane, NE

Bemidji, MN 56601-7158

Sam's Surplus:

A Way Station to Homebrewers' Fulfillment

by Donald Meadows, N6DM, 1683 Daphne Ln., Yuba City, CA 95993

Ham life in Southern California between 1948 and 1951 found much nourishment in the electronic outlet called Sam's Surplus. It was a warehouse which soon became an institution, a homebrewer's mecca. It attracted pilgrims from the entire socioeconomic spectrum of electronic experimenters, including throngs of young hams, recently licensed, some of whom had no wheels; their first approach was via streetcar. Sam's Surplus provided many experienced hams with the parts for their first postwar California-kilowatt amplifiers. But Sam's warehouse also helped droves of small-fry beginners put their first signal on the air.

Sam's place was filled with endless surplus electronic goodies, almost all brand new and for sale so reasonably that impulse purchasing was common, even on a youngster's budget. Instead of buying just one specific item, one often ended up with an armload. The posted price stood many magnitudes below the production cost. The American taxpayer had, of course, taken the loss. But no one complained, because everyone understood this as a very small part of the price we had paid for our victory in World War II. Now some people could reap material benefits from our just-ended, all-out war effort.

Sam's Surplus was located at 1306 Bond Street in Los Angeles, in an area where small industry and commercial shops bordered on a residential neighborhood. There was no room for a parking lot. A visit to Sam's warehouse required one to park along the curb, often quite a few car lengths from the entrance. Upon entering the warehouse, one never seemed to encounter crowds of customers. Humans seemed to be mostly out of view, shielded by the awesome stacks of surplus merchandise which often rose six or more feet. But there were always people there, probably many repeat customers, busily buying. One usually had to wait in line at the cash register. While waiting to pay, one likely conjured up images of dream projects to be created from Sam's material.

Such reverie was once definitely jolted by the sudden rumble and clatter of a forklift. It appeared on the warehouse's floor as if from nowhere and commanded the rapt attention of all, because the load on its fork almost elevated the machine's rear wheels into thin air. The load was a stack of brand-new surplus black boxes which turned out, on closer examination, to be ARC-5 transmitters. The forklift deposited its load and disappeared.

Sam was acquiring surplus about as fast as he was selling it. His help seemed to spend much time in either opening cartons and crates or in moving the merchandise onto the warehouse floor. Sam would sometimes further reduce his prices just to move merchandise off the floor in order to make room for more merchandise. Many radios and other electronic devices built for WW II were on the scene, always brand new. One usually saw them stacked high to conserve floor space. But the stack of new BC-375 transmitters was only about four feet high, probably because these items were fairly heavy. Cartons of individual parts were everywhere. Johnson variable

transmitting capacitors greeted the potential buyer from their opened shipping cartons, each containing at least dozens. Brand-new Eimac 304TL tubes sold for five dollars for a carton of four tubes. Everything was plentiful, of top military quality, and for sale dirt cheap.

"Sam Sells for Less" was the company's advertised motto. Few argued with this. But one day, a young ham was overheard challenging Sam's price on a particular item--"Hey Sam, I can get this for two bucks less at Larry Lynde's place in Long Beach." Sam paused, then replied, "Yeah, Sam sells for less--most of the time. You tell Larry Lynde he's a SOB. He still owes me money." Sam seemed to love being there to interact with his customers. His presence somewhere among the stacks of his merchandise was always a predictable event for those who entered his warehouse more than once.

The natural question arises, just who was this Sam, this benefactor of homebrewers? His name was Sam E. Goldstein. His call was W6RAL. Repeat customers soon learned that Sam was no silent figurehead, but a real person indeed. Sam always stood out among his help because his body weight well exceeded theirs and because his voice always betrayed his presence, whether bossing his help or commenting on the weather. He often could be heard commenting on the behavior of certain customers. One time he was overheard exclaiming to a group of young hams, "If you guys pay a penny on the dollar for all the stuff you steal, I'll still make a profit!" Sam's mouth was harsh, but his heart was soft. His comment was rhetorical; he had no hard evidence of shoplifting. Even if he did, he knew where young hams were coming from. He could sense their temptation. Another time, Sam fixed his attention on some guys lined up at the cash register. He probably recognized them from previous visits. He said, "Why aren't you guys in Korea? You guys must be college students." An embarrassing silence followed. Then one of the guys replied, "No, we're just draft dodgers." Sam and the surrounding audience all had a good laugh.

The World War II electronic surplus phenomenon, which Sam's Surplus epitomized, had a profound influence on the ham fraternity that was still getting its act together after the disruption of the war years. Both beginners and old timers depended heavily on surplus material to get a passable signal on the air in the shortest possible time at minimum expense. For most hams, there were three options. One could use the surplus gear in its original state, although this could sometimes be troublesome. One could modify this military gear for ham use--surplus conversions were once a frequent topic in the literature. Or one could homebrew equipment from scratch with surplus parts. Homebrewing and converting surplus played a major role in ham radio's evolution during the years immediately following WW II. There may be philosophical explanations for this phenomenon, but one point is undisputed: it was beautifully cost-effective. Experimenters could afford to squander parts on high-risk homebrew ventures, some

of which succeeded. The failures were chalked up to experience and the undamaged parts were recycled. Experimenters also learned through affordable trail-and-error attempts how to housebreak surplus units for social acceptance on the ham bands. It was a period of unlimited sky, where dream and reality often touched, thanks to Sam's Surplus.

As the Sam's Surplus era gradually faded, the hands-on creative urge was fulfilled commercially by enterprises like Heathkit, Knight, Eico, and E.F. Johnson. These kit suppliers filled a heavy demand during a span of about twenty-five years. They gave the budget-conscious ham another opportunity to inject personality into the created work, even if the effort smacked of painting by the numbers. But this was no stigma. For younger homebrewers without large junk boxes, there was no alternative. For many older hams, the convenience of pre-engineered equipment representing state of the art with a fail-safe guarantee was attractive. And the hands-on challenge was still there. Failure to pass the first smoke test probably told the older kit builders that they had either cold-soldered something or had hard-wired something wrong—the kit's integrity wasn't questioned. Younger kit builders' errors received gentle, patient counsel from the manufacturer, always ready to stand behind the product, always ready to educate the new customer. Such wisdom produced repeat customers. But like Sam's Surplus, the kit era flourished and waned.

The radio nostalgia movement, now gaining momentum, suggests that more and more hams, both young and old, are sensing that maybe they're missing something of ham radio's flavor, that maybe their magic solid-state hardware has made them slaves to forces beyond their control. While not rejecting current technology, some younger people are becoming curious about yesteryear's technology. They wish to experience a bit of it first-hand as something new. They enjoy using and restoring yesterday's radios. Some even wish to experience yesteryear's thrill of creating a working vacuum-tube radio with their own hands.

Older nostalgists may also enjoy today's enlightened solid-state technology. But they still bask in the twilight of the vacuum-tube era, which is part of their youth. Their creative efforts lie in restoring vintage gear or in homebrewing radios today like those they once used as kids. They freely review the literature of yesteryear to fill memory gaps and to gain new insights into how one once did things. Even without the benefit of Sam's Surplus, their homebrewing instinct still prevails, which they fulfill both in restoring and creating. They discover parts in junk boxes. They trade and haggle at swap meets and via want-ads for parts and equipment which meet their needs. Their instinct makes them want to be part of their gear. Their creative imagination remains healthy, as they continue to visualize the next project down the road, whether it be acquisition of more Collins or Johnson gear to restore, whether it be putting out a superior AM signal with vintage equipment, or maybe just building a breadboard 6L6 crystal oscillator to be activated with a straight key. They realize visions they once had as kids—visions still in touch with the reality of their own hands' effect. Their enthusiasm makes them inspired role models who attract newcomers into their nostalgic time dimension. **N6DM**

The author is a life member of QCWA. He joined in 1977. Ed.

Captain George H. Klaus, W2CJN, SK

by Jay Altman, W2DX
44 Quail Run Dr.
Deer Park, NY 11729

After almost sixty years of being an amateur radio enthusiast, I discovered a new "Elmer" in George. Much to my regret, I found this precious gem only a few years ago; I wish I had found him many, many years ago.

George was an unusual gentleman. I think sometimes that he came into my life for the sole purpose of teaching me to have tolerance and patience, to want to help whoever asked for help and to follow through by making sure that help would really help. This is the way he was and it seems to have influenced those people who got to know him, myself included.

Captain Klaus was a native New Yorker who worked to afford the education he sought and he learned well, having trod the halls of such institutions as Columbia University, New York University, M.I.T., Harvard, to name a few. In the Navy, he was a radar officer aboard the U.S.S. Yorktown and later was stationed in various locations becoming chief of the Bureau of Naval Aeronautics. Post-war, George spent 25 years with Grumman Corp. as an electronics engineer becoming director of its Electronics Systems Center and being involved with the lunar module, the S2 anti-submarine aircraft, the A-6 fighter and the Gulfstream aircraft. George invented the magnetic anomaly detector, used to detect submarines.

As an amateur radio operator, Captain Klaus served several radio clubs as president, participated in civil defense activities, controlled several on-the-air nets and was always ready, willing and able to share his vast knowledge of electronics with whoever needed it, and that's where our paths crossed. Trouble with a handi-talkie? A power supply? The station rig? Antenna? If he couldn't solve your problem on the air, you could expect a telephone call in short order with a solution.

It I suspected a gassy tube, George would say, "Come get my tube tester, keep it as long as you need", or, "come get my antenna analyzer, let me know how you make out". These, and many more, are a few incidents that come to mind. George was legally blind in his latter years but his other senses overcame that disability to a great extent, and he was a prolific writer. Many of his articles appeared in amateur publications, club bulletins, etc. His experiments and his work were documented with great detail and if anyone would mention interest in a topic, George usually had written an article covering the subject and he would make a copy on his copier and have it in the morning's mail! Where do we find people like Captain George? I know I will miss him; I'm sure many others will miss him too. Rest in peace, George.

BCNU SN. 73 de Jay, W2DX

RV'ing and Amateur Radio

by Steve Weber, W6QON, 170 Twin Peaks Dr., Toledo, WA 98591-0297

I would like to relate my enjoyable experiences of combining amateur radio and RV'ing. It all started in March of 1990 with a 6 month motor home trip around the USA and Canada.

We departed from Fresno, California, and traveled thru Arizona, New Mexico and as far south as Brownsville, Texas, then along the Gulf Coast thru New Orleans, Alabama, Georgia, Tennessee, N and S Carolina, then up the east coast to Nova Scotia, then thru Quebec, Montreal, Niagara Falls, west thru the Northern states to Washington state where we spent several weeks looking for a retirement home, and then on thru Oregon to Fresno, California.

93 different countries were worked on this trip. All on SSB.

34 countries on 10 meters.

43 countries on 15 meters.

2 countries on 17 meters.

52 countries on 20 meters.

2 countries on 40 meters.

32 unsolicited QSL cards were received.

Most contacts were while in motion using a Texas bug catcher mounted on the rear bumper of my 28 foot Motor Home. Some were while parked at RV Parks, using an R-5 clamped to the rear ladder. Comparative tests showed that the signals from both antennas were about the same, but the R-5 was much more convenient when changing bands.

The transceiver, a Kenwood 440, is mounted on the engine cover at the front of the M.H. and is accessible while driving or parked. RG8X coax runs to the matching network mounted at the base of the antenna.

1992

By now we had moved to Toledo, Washington and started on a 6-week motor home trip through Canada and Alaska. We saw a lot of beautiful country and had a lot of QSOs. Only problem was a broken starter 200 miles north of White Horse, BC.

1993

Departed Toledo, Washington, in late January for a four-week motor home trip thru Mexico. We almost froze as it was snowing thru Oregon and the engine-operated heater refused to operate. Could not even defrost the windshield.

The caravan trip started at El Paso, TX, down into Mexico, then the RVs were driven onto railroad flat cars to transport us over the Sierra Madres Mountains and the Copper Canyon. We spent several days at Mazatlan, then via car ferry to La Paz and on up the Baja to San Diego, which was the termination point of the 20 RV caravan.

This was a year of heavy rains and flooding in Baja. On 2 occasions we could not get to our evening destinations. One was due to a flooded arroyo and the other due to a washed out bridge. The power and phone lines were down so the wagon master asked me if I could contact someone to make an 800 call to El Paso to advise the home office of our problem and have them call ahead to our destination and advise them that we could not get there for our accommodations and nice dinner that had been planned. I contacted stations on 20 meters who gladly made the calls for us. Ham radio came thru.

1994

RV trip via the northern route to St. Louis and Branson, Missouri, then returning via the southern route, Oklahoma, New Mexico, Arizona, California, Oregon and home to Toledo, WA.

On this trip, except when maintaining my 20 meter schedule, I operated mostly on 40 meters. I want to thank the Pacific and Rocky Mountain Divisions of the RV Service Net, for many fine contacts, and for keeping track of me all the way to and from Missouri. They operate Monday thru Friday, early mornings on 7.263 and/or 7.268.

I would like to thank one ham who maintained a schedule with me on 20 meters, on all of the above mentioned trips. W6ART of Auburn, CA, followed me with his big beam, and we had solid QSOs on almost all of the Tuesday and Friday schedules.

Personal Note:

I was licensed in 1938. QCWA #19704. I retired after 39-1/2 years in Radio and TV Broadcast Engineering.

I was an original member of the 3995 (75 meters) mobileers, whose best known member is Don Johnson, W6AAQ. Happy Hamming and RV'ing. [W6QON](#)

Hamming On Wheels

by John Lakin, W4MMW, 10 Lindwood Rd., NW, Ft. Walton Beach, FL 32547

From the groans that ensued I was sure that I'd been black-listed from the Playground Amateur Radio Club, and me practically a charter member, too.

And all I said was: "Well, I have finally worked all states on 2-meter FM."

It seemed a harmless enough joke. After all I had been motorhoming for over twenty years, which included a trip to Alaska via the Al-Can Highway when it was more potholes than blacktop. The RV couldn't make it to Hawaii but the XYL insisted that we could. Hence, we have spent time in all the contiguous 48 and the other two--all 50 of our glorious 50 states. Hamming all the way, of course. This announcement wasn't funny to my fellow club members but it had been fun for me--all the way!

Operating HF, with all the resonator changes the Hustler antenna requires for band changes--climbing the ladder each time--is not so easily "productive" as 2-meters, but it has its place when you are "on the road". Several nets are convenient when you are traveling (or sitting at home thinking of traveling). One I like was called the Wally Bynum RV Net originally because it was formed by Air Stream fanciers--open to everyone, of course. The session each morning on 7233 MHz is very convenient when you are "on the road".

CB is great if you're motoring in a convoy with your friends (most of whom are not hams). But RV'ing with your ham station on board is twice the fun for the same price. [W4MMW](#)

Schedule of Revenues and Expenses
1994 Budget vs. 1994 Actual and 1995 Budget

Wes Randles, W4COW, Treasurer



Revenues

	1994 Budget	1994 Actual	1995 Budget
Dues, Regular - New	19,000	16,134	16,000
Dues, Life - New	10,000	26,241	10,000
Dues, Regular	55,000	61,425	55,000
Regular Life Conversions	3,000	10,446	3,000
Entry Fees \$3.00	3,000	2,085	2,500
Banners	300	300	200
Pins, Emblems	5,500	4,714	5,000
Decals, Stamps	600	464	600
Certificates	400	85	100
Scholarship Donations	----	9,508	----
Building Fund Donations	----	549	----
Caps	----	905	715
Investment Income	25,450	31,563	22,200
Hot Line Report	50	---	---
Prepaid Postage	200	420	200
Sale, QCWA News, Roster	100	---	50
Other Income	500	18	---
Loss on Sale of Asset/Investments	---	(22,375)	---
QSL Cards	---	2,205	1,200
Name Tags	---	2,500	1,800
Journal Advertising	---	3,358	4,500
Sweatshirts & T-Shirts	---	133	685
Total Revenues	123,100	150,678	123,750

Expenses

Member Management Fee	32,000	31,992	32,000
Journal Editor	8,004	8,403	9,600
QCWA Journal, printing cost	18,200	16,054	18,200
QCWA Journal, mailing cost	8,500	7,161	8,500
General Postage	4,500	6,047	4,500
Public Relations & Advertising	2,500	2,077	2,500
General Mailing Service	2,000	267	2,000
Office Paper, Comp & Copier	1,000	294	1,000
FCC Reports	400	417	400
Pins, Buttons & Banners	2,000	3,007	2,000
Stamps, Decals	1,000	613	1,000
Office Expense & Supplies	3,000	2,502	3,000
Bank Charges	300	370	300
Journal Office Expense	600	3,210	1,000
Telephone	1,000	1,110	1,000
Board Meeting (Twice/year)	8,000	10,276	9,000
Board Meetings/Member contract-Gen Mgr	1,800	2,975	2,000
Stationery & Printing	2,500	2,417	2,500
Secretary (phone, postage, copies)	500	300	500
Treasurer (phone, postage, copies)	550	598	550
Vice President (phone, postage, copies)	500	1,212	500
President (phone, postage, copies)	1,000	300	1,000
Directors (11 directors, \$100 each)	1,100	788	1,100
Election Expense	2,500	2,226	---
Directory	8,000	8,000	8,000
Hot Line, Printing	200	100	200
Depreciation Expense	3,000	3,176	3,500
Miscellaneous Expense	200	----	300
Activities Manager Expense	100	25	100
Legal & Accounting	6,300	7,603	2,800
Awards, Plaques, Etc	1,000	554	1,500
Office Equipment Maintenance	1,500	898	1,500
Taping for the Blind	100	54	100
Contingency Expense	500	---	500
QSL Cards	---	1,917	900
Sweatshirts & T-Shirts	---	651	550
Software Update	---	1,015	800
HQ Relocation Expense	1,000	1,000	1,000
50th Anniversary Expense	1,000	1,000	1,000
Advertising Commission	----	263	450
Caps	----	528	550
Name Tags	----	3,496	1,300
Travel	----	---	2,500
Scholarship Awards	----	6,500	---
Total Expenses	126,354	141,396	131,700

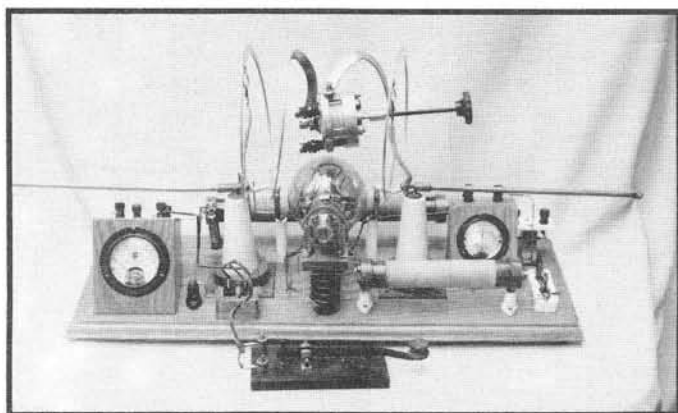
REVENUES OVER (UNDER) EXPENSES

1994 Budget	1994 Actual	1995 Budget
<u>123,100</u>	<u>150,678</u>	<u>123,750</u>
<u>126,354</u>	<u>141,396</u>	<u>131,700</u>
<u>\$(3,254)</u>	<u>\$9,282</u>	<u>\$(7,950)</u>

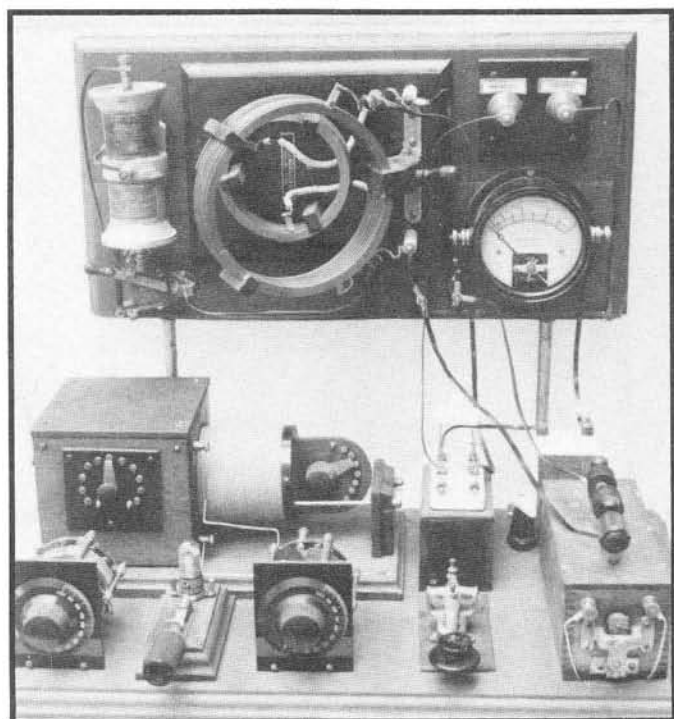
Vintage Equipment Shown at Boxboro Convention

by Micheal W. Ludkiewicz, W1DGJ
143 Richmond Rd.
Ludlow, MA 01056

Vintage radio equipment was shown at the ARRL's New England Division Convention at Boxboro, MA on October 1 and 2, 1994. The display featured over 20 pieces of early amateur radio equipment mostly donated for the display by members of Chapter 183, Pioneer.



1925 one meter transmitter using a 852 tube and made from a construction article in the 1925 edition of The Experimenter magazine. Transmitter donated by W1NPL.



1910 spark station using a Ford Model T spark coil to generate the high voltage for the spark. Spark station donated by W1NPL.

September 2nd V-J Day Special Event Station, Concordia, KS

The Kansas-Nebraska Amateur Radio Club will operate special event station W0OYA on Sept. 2nd to commemorate the 50th Anniversary of the end of the war against Japan.

The W0OYA special event station will operate from the home stations of W0TQ and W0NBT, which are near the World War II German Prisoner of War Camp, rural Concordia.

The station will operate phone in the lower 25 kHz of the general phone portions of 40, 20, 15 & 10 meter bands from 1600 Z to 2300 Z and 80 and 75 meter bands from 2300 Z to 0300 Z.

For a beautiful QSL certificate send QSL and large SASE to: Kansas-Nebraska Amateur Radio Club, c/o Arlan R. Campbell, W0NBT, Rt 3 Box 20-A, Concordia, KS 66901
Troy Boucek, KB0HGB, Special Projects Chairman

Sci-Trek Atlanta Recognizes Three Chapter 49 Members

On April 9, 1995, the Sci-Trek Atlanta Museum celebrated the first anniversary of "STARS" exhibit (Sci-Trek Amateur Radio Society) by having a public "birthday" party. During the celebration "Shining Star Awards" were presented to eight local amateurs for "using their time and talents to create the Sci-Trek Amateur Radio Station".

Of the eight recognized, three are members of Atlanta Chapter 49, QCWA. According to Ms. Deb Soruco, STARS Coordinator, they were:

Jim Staffore, W4QO, for his outstanding efforts in overall coordination and spearheading this effort; Bill Plage, W4DQT, for his outstanding support exhibited by his reliable staffing of the STARS Station; and Jud Whatley, W4NZJ, for his support in staffing the station and making a STARS orientation video which has been shared throughout the metro-Atlanta radio community.

The above STARS exhibit is part of the Science and Technology Museum of Atlanta located on 395 Piedmont Ave., Atlanta and is open daily to the public. The STARS exhibit is staffed daily Monday-Saturday by local amateur volunteers who demonstrate the many important, fun, and interesting aspects of amateur radio using ATV, CW, FM, Packet, SSB and SSTV on HF and VHF accordingly. Most of the rigs used are the latest Yaesu equipment.



Seventy-seven Words Per Minute

... World's fastest radiotelegrapher

A Book Review

by Dr. Curtis G. Chezem, WN7K
3378 Wisteria St.
Eugene, OR 97404

McElroy - the Biography of Theodore R. McElroy, World's Champion Radio Telegrapher, by Tom French (W1IMQ), 1993. Paperbound, 156 pages, \$19.95, Artifax Books, P.O. Box 88, Maynard MA 01754 USA.

Whether you are an old time telegraph professional with your own personal "sine" (McElroy's was VA), a long-time Ham, or a newcomer, there is something for you in French's biography of McElroy. Theodore Roosevelt McElroy (1901-1963).

Teddy was born in poverty and instilled with family values based on his mother's admonition that "... you can steal from a rich protestant and it ain't a sin..." He followed her advice helping support the Irish immigrant family and showed his genius early in not getting caught. He attended some high school (where he learned to type), pedalled a bike for Western Union, extracted a few unauthorized "delivery charges," and held odd jobs which facilitated the midnight requisition of necessary food and home items for his family.

Tom French spins a captivating story. The tale is of McElroy (pronounced mcEL'roy), backed by his typing skill, advancing through the learning process on landline with Western Union, press wire and radio, to maritime radio-telegraphy. McElroy's transition into the invention and production of high speed telegraph equipment is an American Dream story of success in industry - of course, abetted by a wartime economy. On the operating level, few of us have not come across or used one of his "MAC Bugs." McElroy's public relations self-effort and incredible skill placed him in code speed competitions all his life. In later life, like the "fast guns" of the old West, his "fast key" reception would be challenged by new telegraphic upstarts. His business dealings are also reminiscent of the old West ...perhaps a "snake oil" salesman. But successful. As his fame and fortune increased so did his waistline and apparent attraction to booze. Teddy became a Ham rather late in life, WIJYN (which, he quipped, should have been WIGIN).

McElroy was a regular at hamfests. His high standard of "accuracy rather than speed" remains the basic tenet of the commercial telegrapher. His high standards appear to have been applied to the quality and dependability of his telegraphic equipment.

French's seven appendices and inclusion of a reduced copy of McElroy's famous "Chart of Codes and Signals" is worth the price of admission particularly if your interest is in digital communication -after all, Morse Code is digital, preceded only by digital smoke and light signals.

Once past the bland introduction, this reviewer found it difficult to put Tom French's book down. We found myriadparallels with our own and typical telegraphers' backgrounds and transitions to advanced careers. A very few out of place words, that passed French's spell checker, did not detract from the pleasant flow of his writing. WN7K

Your Official QCWA Badge



Many of you have asked and now we have an official QCWA Badge for you to wear at amateur functions. **It is white with black letters** and the above is an actual size reproduction. This badge is totally engraved, no 'hot press', and so it should last a lifetime.

The order blank is printed below. It comes with a standard clip and a bolo clip.

Note that you may order it with a pocket clip at an additional cost

Bolo ties are also available.

QCWA Badge Order

Call _____

First Name _____

Last Name _____

Indicate whether you want your City/State or your Chapter name and Number as bottom line on badge.

1. City and State

_____ **OR**
2. Chapter Name and Number

Badge..... \$7.00

Pocket Clip (\$2.00).....

Bolo Ties (\$2.50).....

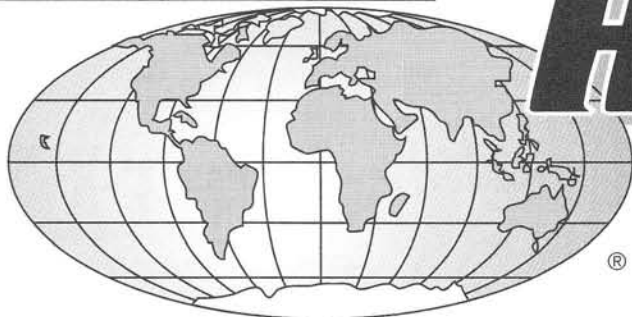
Bolo tie color(circle one): Black, Blue, Brown, Green, Red and White.

Total Cost.....

Complete in full and mail with your check to:
QCWA, 159 East 16th, Eugene, OR 97401-4017

> 12 STORE BUYING POWER! <

Watch for HRO Home Page on Internet World Wide Web
[HTTP://WWW.HAMRADIO.COM](http://www.hamradio.com)



HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

**YAESU
Coupons**
 July 20 thru Sept 30

Phone Hours:

9:30 AM to 5:30 PM

Store Walk-In Hours:

10:00 AM - 5:30 PM • Closed Sundays

CALL TOLL FREE:

West 1-800-854-6046
 Mountain 1-800-444-9476
 Southeast 1-800-444-7927
 Mid-Atlantic 1-800-444-4799
 Northeast 1-800-644-4476
 New England 1-800-444-0047

Toll free, incl. Hawaii, Alaska, Canada; call routed to nearest store; *all HRO 800-lines can assist you, if the first line you call is busy, you may call another.*

E-Mail/Call/Write for your HRO Catalog!

ANAHEIM, CA 92801
 933 N. Euclid St.
 (714) 533-7373
(800) 854-6046
 Janet, WA7WMB, Mgr.
 Near Disneyland

New Location!

BURBANK, CA 91506
 2492 W. Victory Blvd.
 (818) 842-1786
(800) 854-6046
 Jon, KB6ZBI, Mgr.
 Victory Blvd. at Buena Vista
 1 mi. west I-5

OAKLAND, CA 94606
 2210 Livingston St.
 (510) 534-5757
(800) 854-6046
 Mach, K6KAP, Mgr.
 I-880 at 23rd Ave. ramp

SAN DIEGO, CA 92123
 5375 Kearny Villa Rd.
 (619) 560-4900
(800) 854-6046
 Tom, KM6K, Mgr.
 Hwy. 163 &
 Claremont Mesa

SUNNYVALE, CA 94086
 510 Lawrence Expwy. #102
 (408) 736-9496
(800) 854-6046
 Ken, K1ZKM, Mgr.
 KDM@HAMRADIO.COM
 Lawrence Expwy.
 So. from Hwy. 101

NEW CASTLE, DE 19720
 1509 N. Dupont Hwy.
 (302) 322-7092
(800) 644-4476
 John, N1FL, Mgr.
 RT.13 1/4 mi. So. I-295
 AZ, CA, CO, GA, VA residents add sales tax.
 Prices, specifications, descriptions, subject
 to change without notice.

PORTLAND, OR 97223
 11705 S.W. Pacific Hwy.
 (503) 598-0555
(800) 854-6046
 Earl, KE7OA, Mgr.
 Tigard-99W exit
 from Hwy. 5 & 217

DENVER, CO 80231
 8400 E. Iliff Ave., #9
 (303) 745-7373
(800) 444-9476
 Joe, KD0GA, Mgr.

PHOENIX, AZ 85015
 1702 W. Camelback Rd.
 (602) 242-3515
(800) 444-9476
 Gary, WB7SLY, Mgr.
 East of Highway 17

ATLANTA, GA 30340
 6071 Buford Highway
 (404) 263-0700
(800) 444-7927
 John, KB4NUC, Mgr.
 Doraville, 1 mi. no. of I-285

WOODBRIDGE, VA 22191
 Washington D.C. area
 14803 Build America Dr.
 (703) 643-1063
(800) 444-4799
 Jerry, WA2VGV, Mgr.
 Exit 161, I-95, So. to US 1

SALEM, NH 03079
 Boston, MA area
 224 N. Broadway
 (603) 898-3750
(800) 444-0047
 Chuck, KM4NZ, Mgr.
 CLW@HAMRADIO.COM
 Exit 1, I-93;
 28 mi. No. of Boston



YAESU

FT-900

NEW!



Compact HF Trans., 100W, optional built-in auto tuner
 Removable front panel, optional kit required.
 QSK, 100 Mem. Gen. Cov. Rx, OMNI-Glow display
Call Now For Intro. Special!

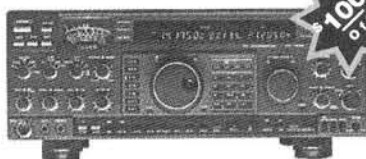
FT-736R

The Ultimate Oscar Machine



VHF/UHF All Mode Transceiver
 25W, Built-In Pwr Supply

FT-1000



200W, DUAL RX,
 GEN COV RX, QSK, TCXO

CALL NOW FOR OUR LOW PRICING!

HANDHELDS

FT-11R/41R

2M 440mHz



150 Mem. Channels
 1.5W standard
 5W option
 Alpha-numeric display
 Compact & back lit keypad

FT-840

NEW!



100W • 12V DC • DDS • Gen. Cov. Rx, 100 mem.
 Optional Ext. Auto • Tuners Available

CALL NOW FOR OUR LOW PRICING!

FT-5100/FT-5200

2M/440 Mobile

2M/440 Mobile



Ultra compact 50W/35W
 94 Memories • Non-removable
 Dual in-band receive
 Built-in DTMF paging/Coded Sqr.
 CTCSS Encode built-in
 Backlit DTMF mic included

Ultra Compact
 50w/35w 2m/440
 32 memories
 Built-in duplexer
 Backlit DTMF
 MIC included

CALL NOW FOR OUR LOW PRICING!

FT-2200H

2 Mtr.



2M 50W Mobile
 50 Mem. CTCSS Encode +
 Paging Built-In.
 MW-2 Optional

Call For Special!

DUAL-BAND HANDHELDS

FT-51R

2M/440mHz HT



2W standard
 5W Optional
 Alpha Numeric
 120 Memories
 Spectroscope
 DTMF Paging
 Coded SOL
 Built-in

**Call For
Introductory
Pricing!**

FT-530

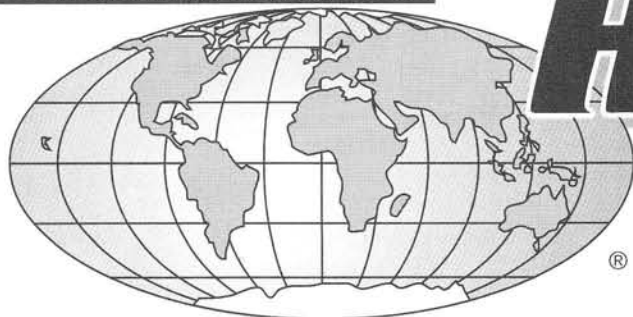
2M/440mHz



2W standard, 5W opt.
 82 Mem.
 Dual in-band Rx
 DTMF paging
 + coded Sqr. std.
 Built-in VOX & CTCSS
 Auto tone search
 Built-in clock
 Backlit keyboard

> 12 STORE BUYING POWER! <

Watch for HRO Home Page on Internet World Wide Web
HTTP://WWW.HAMRADIO.COM



HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

HRO
San Diego
#1 Kenwood
Superstore!

TM-742A/TM-733A

2 M/440Mhz

2M/440Mhz

Summer
Sizzling
Specials!

NEW!

Optional 3rd band available
Up to 303 memories
101 per band
PL Encode Built in
Detachable front panel

Summer
Sizzling
Specials!

NEW!

50W/35W • 72 Mems
9600 Baud Ready
Dual Receive Same Band
Opt. Quick-Release Kit

**Call Now For
Your Low Price!**

TS-850S

HF Transceiver



Summer
Sizzling
Specials!

Advanced Technology Performance
108 db Dynamic Range, Optional DSP

CALL NOW FOR OUR LOW PRICE!

TS-50S/TS-60S

HF Transceiver 6M

Free Travel
Case with Purchase
of TS-50S.
Limited Time Offer



TS-50S - World's smallest HF transceiver
100W out, (90W TS-60S, 50MHz only) • SSB, CW, AM, FM,
12V Gen. Cov. RX, 6.4 lbs., 7.16 x 2.4 x 9.32"
105 db dynamic range, 100 Mems.

Optional external ant. tuners available (TS-50S only)

CALL FOR SPECIAL LOW PRICE!

TH-79A(D)

2M/440 HT



2.7W 2M, 2W 440
5W Optional, DTSS Built-In
82 Memories, DTMF Memories
Built-In CTCSS Encode/Decode
User-Friendly Menu System

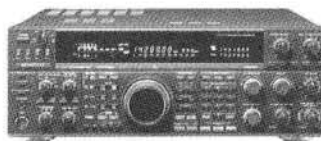
**CALL FOR SPECIAL
SUMMER SIZZLING
SPECIALS!**

New Deluxe
Model!

KENWOOD

**NEW HOT
SUMMER SIZZLING
SPECIALS! CALL
NOW FOR YOUR
SPECIAL PRICING!**

TS-950SDX



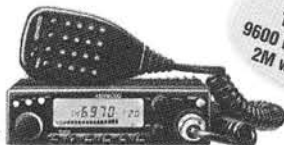
NEW 150W MOSFET Finals • Voice Keyer Optional
NEW DSP on BX + TX • NEW CW Memory Keyer
NEW CW Filter in Sub-Band Receiver
NEW RM-1 Included • NEW S Meter for Sub-Band
General Coverage RX • Built-In AC Supply

TM-241A/331A/441A/541A

2 Mtr Aircraft RX 220Mhz 70cm 1200Mhz

Summer
Sizzling
Specials!

TM-241A
CALL
NOW!



NEW!
TM 251A
9600 Baud Ready
2M w/440 Rx

Compact FM Mobile Transceivers

FOR OUR LOW PRICES, CALL NOW!

HANDHELDS

TH-28A

2M/2.5W DTSS
240 Mem.
w/optional mem. unit
UHF RX

Summer
Sizzling
Specials!



TH-22AT

Ultra Compact
2M HT, 5W optional
40 memories
Encode Built-In

Summer
Sizzling
Specials!



COAST TO COAST



**FREE SHIPMENT
UPS - Most items over \$100**

**RAPID DELIVERIES FROM
THE STORE NEAREST TO YOU!**

ANAHEIM, CA 92801
933 N. Euclid St.
(714) 533-7373
(800) 854-6046
Janet, WA7WMB, Mgr.
Near Disneyland

New Location!

BURBANK, CA 91506
2492 W. Victory Blvd.
(818) 842-1786
(800) 854-6046
Jon, KB6ZBI, Mgr.
Victory Blvd. at Buena Vista
1 mi. west I-5

OAKLAND, CA 94606
2210 Livingston St.
(510) 534-5757
(800) 854-6046
Mach, K6KAP, Mgr.
I-880 at 23rd Ave. ramp

SAN DIEGO, CA 92123
5375 Kearny Villa Rd.
(619) 560-4900
(800) 854-6046
Tom, KM6K, Mgr.
Hwy. 163 &
Claremont Mesa

SUNNYVALE, CA 94086
510 Lawrence Expwy. #102
(408) 736-9496
(800) 854-6046
Ken, K1ZKM, Mgr.
KDM@HAMRADIO.COM
Lawrence Expwy.
So. from Hwy. 101

NEW CASTLE, DE 19720
1509 N. Dupont Hwy.
(302) 322-7092
(800) 644-4476
John, N1IFL, Mgr.
RT.13 1/4 mi., So. I-295

AZ, CA, CO, GA, VA residents add sales tax.
Prices, specifications, descriptions, subject
to change without notice.

PORTLAND, OR 97223
11705 S.W. Pacific Hwy.
(503) 598-0555
(800) 854-6046
Earl, KE7OA, Mgr.
Tigard-99W exit
from Hwy. 5 & 217

DENVER, CO 80231
8400 E. Iliff Ave., #9
(303) 745-7373
(800) 444-9476
Joe, KD0GA, Mgr.

PHOENIX, AZ 85015
1702 W. Camelback Rd.
(602) 242-3515
(800) 444-9476
Gary, WB7SLY, Mgr.
East of Highway 17

ATLANTA, GA 30340
6071 Buford Highway
(404) 263-0700
(800) 444-7927
John, KB4NUC, Mgr.
Doraville, 1 mi. no. of I-285

WOODBRIIDGE, VA 22191
Washington D.C. area
14803 Build America Dr.
(703) 643-1063
(800) 444-4799
Jerry, WA2VGV, Mgr.
Exit 161, I-95, So. to US 1

SALEM, NH 03079
Boston, MA area
224 N. Broadway
(603) 898-3750
(800) 444-0047
Chuck, KM4NZ, Mgr.
CLW@HAMRADIO.COM
Exit 1, I-93:
28 mi. No. of Boston

Member Classifieds

FOR SALE: Rare Western Electric model 9-B Airline RF Radio Receiver, ca. 1930's - \$900 or trade for Collins gear- 75A-4 or S-Line or ?. Nicholas Oland, W3DSE, 821 Kenhorst Blvd., Reading, PA 19611.

WANTED: Hallicrafters spkr in very good shape (cabinet only), will replace spkr and paint, but want no dents. This spkr would hold a 10" spkr, and has the small "h" as part of the grille work. State price. Larry Goodrich, W9HTK, 1294 South 150 West, Greenfield, IN 46140. (317) 462-5466.

FREE: For shipping. Panasonic printer (KX-P1092) in need of repair, w/manual. Yours for packing and UPS charges. Also have about 20 copies of QST from Jan 95 and previous, yours also for packing and UPS charges. **FOR SALE:** Kenwood MC-60 mic, has not been used since factory check - 1/2 price- \$65. Robert Dobbins, WD2AHT, 733 Plantation Estates Dr., A-412, Matthews, NC 28105-8105. (704) 847-3394.

WANTED: Junker Collins 30L-1 and KWM-2A for parts; old CW keys for collection. Clint Hancock, KM6UJ, 6567 Ashfield Court, San Jose, CA 95120-4502. (408) 742-4582.

WANTED: Four (4) track reel (spool) type tape recorder with all speeds. Edward Bowley, W2VLH, 86-22 Dongan Ave., Elmhurst, NY 11373.

WANTED: An RTTY TNC for my IBM computer, a good condition Drake MS-4 spkr cabinet, and 3 knobs for Drake R-4 gear (or a parts only radio; need the small knobs). Have commercial 450 MHz radio, Vertex (Yaesu FTL-7011) for sale or trade (make offer). Want a old CW rig with VFO control and a receiver for same. Terry Perrault, WA6MVV, POB 178, Retsil, WA 98378. (206) 943-3879.

FOR SALE: Collectors: Can supply knobs for National SW-3. **WANTED:** Looking for NC-101X and National parts, need bandspread coil data for National FB-7 and Bliley type VF1 variable frequency crystal. Richard Bauer, K5RB, 563 Hambrick Rd., Dallas, TX 75218. (214) 348-3378.

WANTED: RACAL rcvr, DAVCO 30; Drake 2B, DSR-1, DSR-2; RCA AR-77, AR-88; Little LuLu 50 MHz Tx, Rx; Eldico equipment; Hallicrafters SX-88, SX-73, SX-9; Johnson Navigator. Steve Barnes, K6PFW, 848 North Silverwood, Upland, CA 91786. (909) 985-1062

WANTED: Copy of manual for Triplet 1696A or 3296 modulation monitor. Rolyann Precht, K7DFW, 23471 Cedar Grove Rd., Clatskanie, OR 97016-2505.

WANTED: Assembly manual for EICO Model 369K sweep generator. This unit is in kit form and needs to be assembled. I have already obtained the operating manual. Will pay postage and copying costs. Frank Soloman, W1WKP, POB 2205, Milford, CT 06460. (203) 877-7642.

WANTED: Old QSL cards, pictures of amateur stations, equipment and operators, and related historical information by beginning historian/author. Joe Holstein, N8EA, 1515 Sashabaw Rd., Ortonville, MI 48462.

WANTED: Any copy of White's Radio Log. Also want Heathkit AR-2 receiver. Nate Williams, W9GXR, 6915 Prairie Dr., Middleton, WI 53562.

WANTED: Information on the directional sensing unit (in the rotor) for the Cornell-Dubilier Model H-IV/CD-45 II Control Box. Kenneth P. Cuppola, N2BYM, 3568 North Rd., Sherman, NY 14781.

WANTED: Historical artifacts, memorabilia, early keys, and/or any historical data, correspondence, or information relating to the Vibroplex Co. Please contact Mitch Mitchell, WA4OSR, c/o The Vibroplex Co., 11 Midtown Park E., Mobile, AL 36606-4141. 800-840-8873 (FAX 1-334-476-0465).

WANTED: Correspondence with WWII & Korean era ship-board radio ops. If you served onboard a US Navy ship as a naval communications officer, radioman or radio maintenance technician during this period, please contact me. Still seeking ARRL Handbooks from 1935-58, 60-62, 66-68, 70-73 for station library. J. Doug Hensley, WJ5J, 5678 College Dr., Baton Rouge, LA 70806.

WANTED: Instruction manual for Hallicrafters S-1 Special and 1934 Allied Radio catalog. Bill Ross, KY9M, 875 Gordon Terrace, Winnetka, IL 60093. (800) 621-0687.

WANTED: BC-375, BC-191, BC-348, BC-342 and all related items; tubes - VT-25 (10), VT-4C (211); aircraft mounts FT-151 (BC-375) & FT-154 (BC-348); plug/cables w/PL-59, PL-61 and PL-64; all tuning units- TU-(*)-B; dynamotors - PE-73-C (28 VDC) or BD-77 (14 VDC); antenna reel RL-30-B, etc. Tony Stalls, K4KYO, (703) 522-1568, FAX (703) 243-8059, Internet e-mail ras@us.net

FOR SALE: 160 tubes, all working condx. Send stamped envelope for list. Some rare and in orig. boxes. Ben L. Walker, K0AEU, 1614 W. Long, Raymore, MO 64083-9115.

WANTED: Amateur radio call letter license plates for unique collection, especially the early plates of 1950-60. Mike Ludkiewicz, W1DGJ, 143 Richmond Rd., Ludlow, MA 01056.

WANTED: Collins radios, mechanical filters, paper, stock certificates, Signal magazines and related items. Would like to correspond with former owners and users of early Collins equipment, former employees, etc. Brian Roberts, K9VKY, 3068 Evergreen Rd., Pittsburgh, PA 15237. (412) 931-4646.

FOR SALE Ham Equipment Buyers Guide, Volumes I and II, 1945 to 1975. Receivers-Transmitters-Transceivers-Acces.-Prices-&-All Info., Etc. - \$20.00 plus shipping. Paul Friedel, W4AHN, 408 Reed Dr. East Flat Rock, NC 28726-2924. (704) 692-6843.

Please send ads to QCWA Journal, P.O. Box 57, Hesperus, CO 81326 to arrive no later than 1 month prior to our publication dates.

Please limit ads to 25 words. Words are counted as follows: WANTED, FOR SALE, FREE, etc. count as 1 word; your address counts as 6 words.

TUBES • PARTS • SUPPLIES

YOUR COMPLETE SOURCE

TUBES:

3000 audio, receiving and industrial types in stock, including early and foreign types. Discount prices!

TRANSFORMERS:

Hard-to-find power transformers, audio transformers, and filter chokes for tube equipment.

PARTS:

Resistors, lamps, tube sockets, potentiometers, grill cloth, knobs, vibrators and more.

CAPACITORS:

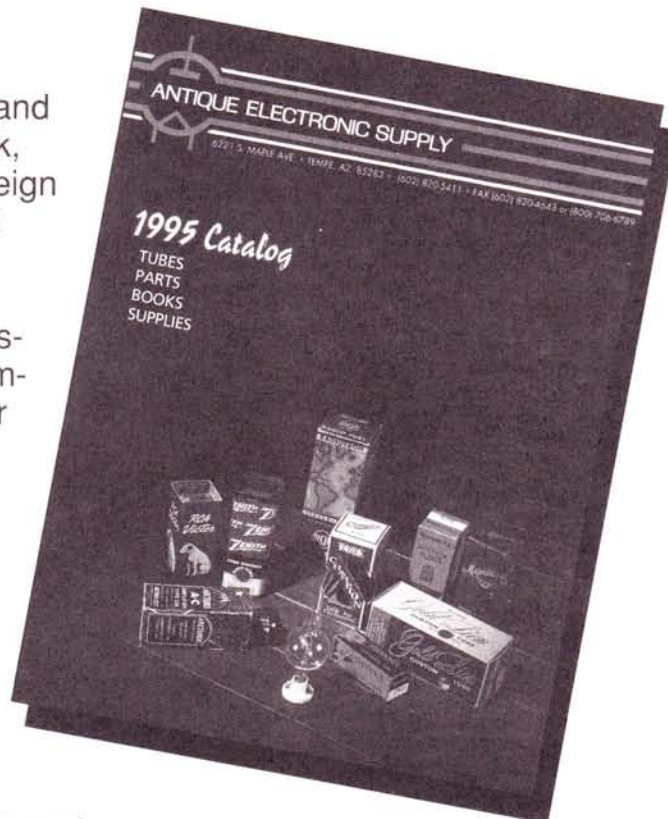
High voltage electrolytic and mylar capacitors for tube circuits.

SUPPLIES:

Chemicals, test equipment, wire, batteries, tools, etc.

LITERATURE:

Extensive offering of literature and books on antique radios, hi-fi, communications equipment, tube data, and circuit diagrams.



"Write or call for our 36 page catalog"

ANTIQUE ELECTRONIC SUPPLY

6221 S. Maple Avenue, Tempe, AZ 85283
Phone (602) 820-5411, FAX (602) 820-4643
Toll Free FAX (800) 706-6789 (U.S. & Canada)

NEW HF

Compact HF Transceiver FT-900AT

A full-featured HF base station, compact enough to go mobile.

Specifications

- Remote Front Panel Design
- Built-In Auto Antenna Tuner
- Direct Keypad Entry when used as a Base Station
- Large, Bright Omni-Glow™ LCD Display
- 100W on SSB, CW, FM modes; 25W on AM
- IF Shift and 30db Notch Filter
- Digital S/R, SWR & ALC Meters
- Programmable CTCSS Encode w/Repeater Offset
- Direct Digital Synthesis (DDS)
- 100 Memory Channels
- Frequency Range
RX: 100 kHz-30 MHz
TX: 160-10 meters
- CW Full Break-in Keying w/Adjustable Speed
- Fast/Slow AGC Circuit
- Intercept Point Optimization
- Duct Flow Cooling System
- Twin Band Stacking VFOs
- Built-in Noise Blanking
- Built-in Adjustable Speech Processor

ACCESSORIES:

- YSK-900 Remote Mount Kit
- MMB-62 Controller Bracket
- MMB-20 Mobile Mtg. Bracket
- SP-7 Mobile External Spkr.
- SP-6 Base Station External Spkr.
- DVS-2 Digital Voice Recorder
- FP-800 20A HD Power Supply
- YH-77ST Headphone

"What a great HF!
Heavy-duty heat sink!
FT-1000 technology.
A serious performer."



"Compact for mobile, too. Snap-off front panel mounts anywhere. Built-in antenna tuner. No extra tuner box to hook up!"

"Yaesu did it again!"



VOX
Exclusive! For simple hands-free transmit/receive control.

Dual Metering Display
Exclusive! Shows power output, ALC, SWR, signal strength.

Built-in CW Keyer
Exclusive! Use in semi-break-in or full-break-in modes.

10-Key Direct Frequency Entry
Exclusive! For quick band/frequency accuracy.

Built with commercial-grade engineering, and a heavy-duty die-cast aluminum heat sink, like all Yaesu base stations – this radio leads the competition in state-of-the-art compact HF technology.

No other radio this small offers 10-key direct frequency entry. Built-in antenna tuner, dual metering in the display, built-in CW keyer, VOX – and a heavy-duty heat sink

with a duct-flow cooling system that lets you key down longer. As a bonus, to round out the feature-rich FT-900AT, Yaesu's exclusive Omni-Glow™ display provides the best viewing possible under any light condition. Try to find all this on any real HF compact enough to be a mobile. You can't!

Mobile HF has never been better, because the FT-900AT is the first transceiver with true HF technology developed as a base performer and adaptable for simple mobile use. Just snap off the FT-900AT front panel control head and install it just about anywhere in your car, truck or RV. Secure the RF deck under a seat or in the trunk, out of sight and away from critical automotive electronics.

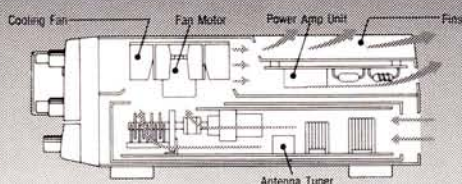
This isn't a cheaply-made, plastic toy! This marvel of Yaesu engineering was built to last. Forged to exacting standards with the performance, sensitivity, and selectivity that have made Yaesu famous for over 40 years,



The snap-off remote front panel control head measures only 2 1/4" H x 9 1/4" W x 1 1/4" D. Mounts almost anywhere in your vehicle.

the FT-900AT will provide you with trouble-free performance wherever you travel!

See the new FT-900AT dual-purpose radio at your dealer today. Find out why Yaesu HF is the choice of the world's top DX'ers.



Exclusive! Duct-Flow Cooling System

Internal fan draws air over the power amp unit for continuous cool operation. Eliminates rear panel protrusions which block connector access.

YAESU

Choice of the World's top DX'ers